NAME OF WORK : IMPROVEMENTS TO ROADS AND DRAINS AT MARIYANNAPALYA, MUNIKEMPANNA LAYOUT, BHUVANESHWARINAGRA, DASARAHALLI BALANCE ROADS AND SURROUNDING AREA IN WARD NO.06 BYATARAYANAPURA SUB DIVISION.

EMB

(Pre-Measurement Sheet and Measurement Sheet)

First and Part Bill

(Book No.01)

006- 22- 00005

NAME OF WORK : IMPROVEMENTS TO ROADS AND DRAINS AT MARIYANNAPALYA, MUNIKEMPANNA LAYOUT, BHUVANESHWARINAGRA, DASARAHALLI BALANCE ROADS AND SURROUNDING AREA IN WARD NO.06 BYATARAYANAPURA SUB DIVISION.

EMB

First and Part Bill

Pre-Measurement Sheet

(Book No.01)

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:-Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagra, Dasarahalli Balance Roads and Surrounding Area in Ward No.06 Byatarayanapura Sub Division

PRE MEASUREMENT SHEET

First and Part Bill

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remark
Item no.01		Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work							
Measurements taken on									
		Kaveri Layout							
		Krishna Nivas House (W1309)							
		LHS							
		South to North							
0.00	2.50		Cum	1	2.50	0.90	0.90	2.03	
2.50	15.00			1	12.50	0.90	0.90	10.13	
15.00	18.40			1	3.40	0.90	0.90	2.75	
18.40	24.40			1	6.00	0.90	0.90	4.86	
24.40	35.00			1	10.60	0.90	0.90	8.59	
35.00	50.00			1	15.00	0.90	0.90	12.15	
50.00	64.10			1	14.10	0.90	0.90	11.42	
64.10	75.00			1	10.90	0.90	0.90	8.83	
75.00	87.80			1	12.80	0.90	0.90	10.37	
87.80	91.20			1	3.40	0.90	0.90	2.75	
		RHS							
		North to South							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	19.40			1	4.40	0.90	0.90	3.56	
19.40	28.20			1	8.80	0.90	0.90	7.13	
28.20	33.50			1	5.30	0.90	0.90	4.29	
33.50	42.50			1	9.00	0.90	0.90	7.29	
42.50	54.90			1	12.40	0.90	0.90	10.04	
54.90	65.70			1	10.80	0.90	0.90	8.75	
65.70	74.10			1	8.40	0.90	0.90	6.80	
74.10	85.00			1	10.90	0.90	0.90	8.83	
85.00	92.60			1	7.60	0.90	0.90	6.16	
		Joseph House Road (W0884)							
		RHS							
		West to East							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	30.00			1	15.00	0.90	0.90	12.15	
30.00	36.40			1	6.40	0.90	0.90	5.18	
36.40	48.10			1	11.70	0.90	0.90	9.48	

187.84

CIVIL Pro Sig..... Date..... BANGALORE

Contactor PMC Assistant Engineer Assistant exicutive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:-Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagra, Dasarahalli Balance Roads and Surrounding Area in Ward No.06 Byatarayanapura Sub Division

PRE MEASUREMENT SHEET

First and Part Bill

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remark
Item no.01		Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work							
Measurements taken on									
		Kaveri Layout							
		Krishna Nivas House (W1309)							
		LHS							
		South to North							
0.00	2.50		Cum	1	2.50	0.90	0.90	2.03	
2.50	15.00			1	12.50	0.90	0.90	10.13	
15.00	18.40			1	3.40	0.90	0.90	2.75	
18.40	24.40			1	6.00	0.90	0.90	4.86	
24.40	35.00			1	10.60	0.90	0.90	8.59	
35.00	50.00			1	15.00	0.90	0.90	12.15	
50.00	64.10			1	14.10	0.90	0.90	11.42	
64.10	75.00			1	10.90	0.90	0.90	8.83	
75.00	87.80			1	12.80	0.90	0.90	10.37	
87.80	91.20			1	3.40	0.90	0.90	2.75	
		RHS							
		North to South							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	19.40			1	4.40	0.90	0.90	3.56	
19.40	28.20			1	8.80	0.90	0.90	7.13	
28.20	33.50			1	5.30	0.90	0.90	4.29	
33.50	42.50			1	9.00	0.90	0.90	7.29	
42.50	54.90			1	12.40	0.90	0.90	10.04	
54.90	65.70			1	10.80	0.90	0.90	8.75	
65.70	74.10			1	8.40	0.90	0.90	6.80	
74.10	85.00			1	10.90	0.90	0.90	8.83	
85.00	92.60			1	7.60	0.90	0.90	6.16	
		Joseph House Road (W0884)							
		RHS							
		West to East							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	30.00			1	15.00	0.90	0.90	12.15	
30.00	36.40			1	6.40	0.90	0.90	5.18	
36.40	48.10			1	11.70	0.90	0.90	9.48	

187.84

CIVIL Pro Sig..... Date..... BANGALORE

Contractor PMC Assistant Engineer Assistant exicutive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remark
		LHS							
		West to East							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	27.20			1	12.20	0.90	0.90	9.88	
		1st Main Road (W1307)							
		LHS							
		North to South							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	21.30			1	6.30	0.90	0.90	5.10	
		Moto Works Oppo. (W1299)							
		RHS							
		North to South							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	17.60			1	2.60	0.90	0.90	2.11	
17.60	23.40	Culvert		1	0.00	0.90	0.90	0.00	
23.40	30.00			1	6.60	0.90	0.90	5.35	
30.00	45.00			1	15.00	0.90	0.90	12.15	
45.00	55.20			1	10.20	0.90	0.90	8.26	
55.20	60.30	Culvert		1	0.00	0.90	0.90	0.00	
60.30	75.00			1	14.70	0.90	0.90	11.91	
75.00	86.30			1	11.30	0.90	0.90	9.15	
86.30	91.50	Culvert		1	0.00	0.90	0.90	0.00	
91.50	105.00			1	13.50	0.90	0.90	10.94	
105.00	120.00			1	15.00	0.90	0.90	12.15	
120.00	129.60			1	9.60	0.90	0.90	7.78	
		LHS							
		South to North							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	19.20			1	4.20	0.90	0.90	3.40	
19.20	25.50			1	6.30	0.90	0.90	5.10	
25.50	30.00			1	4.50	0.90	0.90	3.65	
30.00	45.00			1	15.00	0.90	0.90	12.15	
45.00	60.00			1	15.00	0.90	0.90	12.15	
60.00	75.00			1	15.00	0.90	0.90	12.15	
75.00	90.00			1	15.00	0.90	0.90	12.15	
90.00	105.00			1	15.00	0.90	0.90	12.15	
105.00	120.00			1	15.00	0.90	0.90	12.15	
120.00	125.70			1	5.70	0.90	0.90	4.62	
		Cross Road 1 (W0870)							
		East to West							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	26.10			1	11.10	0.90	0.90	8.99	
		Cross Road 2 (W0862)							
		East to West							
0.00	15.00			1	15.00	0.90	0.90	12.15	

266.33

CIVIL Pro Sig..... Date..... BANGALORE

Contractor PMC

Assistant Engineer

Assistant exicutive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remark
15.00	30.00			1	15.00	0.90	0.90	12.15	
30.00	33.00			1	3.00	0.90	0.90	2.43	
		Cross Road 3							
		East to West							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	30.00			1	15.00	0.90	0.90	12.15	
30.00	37.40			1	7.40	0.90	0.90	5.99	
		Cross Road (W1297)							
		LHS							
		South to North							
0.00	15.00			1	15.00	1.10	0.90	14.85	
15.00	30.00			1	15.00	1.10	0.90	14.85	
30.00	45.00			1	15.00	1.10	0.90	14.85	
45.00	60.00			1	15.00	1.10	0.90	14.85	
60.00	75.00			1	15.00	1.10	0.90	14.85	
75.00	90.00			1	15.00	1.10	0.90	14.85	
90.00	105.00			1	15.00	1.10	0.90	14.85	
105.00	106.60			1	1.60	1.10	0.90	1.58	
		RHS							
		North to South							
0.00	15.00			1	15.00	1.10	0.90	14.85	
15.00	30.00			1	15.00	1.10	0.90	14.85	
30.00	45.00			1	15.00	1.10	0.90	14.85	
45.00	60.00			1	15.00	1.10	0.90	14.85	
60.00	75.00			1	15.00	1.10	0.90	14.85	
75.00	90.00			1	15.00	1.10	0.90	14.85	
90.00	105.00			1	15.00	1.10	0.90	14.85	
105.00	107.20			1	2.20	1.10	0.90	2.18	
		Kuvempu Layout							
		2nd Main, 2nd Cross (W0616)							
		RHS							
		North to South							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	30.00			1	15.00	0.90	0.90	12.15	
		LHS							
		South to North							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	29.80			1	14.80	0.90	0.90	11.99	
		1st Main, 3rd Cross (W0989)							
		RHS							
		North to South							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	30.00			1	15.00	0.90	0.90	12.15	
30.00	45.00			1	15.00	0.90	0.90	12.15	
45.00	60.00			1	15.00	0.90	0.90	12.15	

353.57

CIVIL Pro Sig..... Date..... BANGALORE

Contactor Assistant Engineer Assistant exicutive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remark
15.00	30.00			1	15.00	0.90	0.90	12.15	
30.00	33.00			1	3.00	0.90	0.90	2.43	
		Cross Road 3							
		East to West							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	30.00			1	15.00	0.90	0.90	12.15	
30.00	37.40			1	7.40	0.90	0.90	5.99	
		Cross Road (W1297)							
		LHS							
		South to North							
0.00	15.00			1	15.00	1.10	0.90	14.85	
15.00	30.00			1	15.00	1.10	0.90	14.85	
30.00	45.00			1	15.00	1.10	0.90	14.85	
45.00	60.00			1	15.00	1.10	0.90	14.85	
60.00	75.00			1	15.00	1.10	0.90	14.85	
75.00	90.00			1	15.00	1.10	0.90	14.85	
90.00	105.00			1	15.00	1.10	0.90	14.85	
105.00	106.60			1	1.60	1.10	0.90	1.58	
		RHS							
		North to South							
0.00	15.00			1	15.00	1.10	0.90	14.85	
15.00	30.00			1	15.00	1.10	0.90	14.85	
30.00	45.00			1	15.00	1.10	0.90	14.85	
45.00	60.00			1	15.00	1.10	0.90	14.85	
60.00	75.00			1	15.00	1.10	0.90	14.85	
75.00	90.00			1	15.00	1.10	0.90	14.85	
90.00	105.00			1	15.00	1.10	0.90	14.85	
105.00	107.20			1	2.20	1.10	0.90	2.18	
		Kuvempu Layout							
		2nd Main, 2nd Cross (W0616)							
		RHS							
		North to South							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	30.00			1	15.00	0.90	0.90	12.15	
		LHS							
		South to North							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	29.80			1	14.80	0.90	0.90	11.99	
		1st Main, 3rd Cross (W0989)							
		RHS							
		North to South							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	30.00			1	15.00	0.90	0.90	12.15	
30.00	45.00			1	15.00	0.90	0.90	12.15	
45.00	60.00			1	15.00	0.90	0.90	12.15	

353.57

CIVIL Pro Sig..... Date..... BANGALORE

Contractor

Assistant Engineer

Assistant Executive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remark
60.00	61.80			1	1.80	0.90	0.90	1.46	
		LHS							
		South to North							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	30.00			1	15.00	0.90	0.90	12.15	
30.00	45.00			1	15.00	0.90	0.90	12.15	
45.00	60.00			1	15.00	0.90	0.90	12.15	
60.00	66.90			1	6.90	0.90	0.90	5.59	
		Dead END							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	16.80			1	1.80	0.90	0.90	1.46	
		1st Main, 2nd Cross (W0983)							
		RHS							
		North to South							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	30.00			1	15.00	0.90	0.90	12.15	
30.00	45.00			1	15.00	0.90	0.90	12.15	
45.00	60.00			1	15.00	0.90	0.90	12.15	
60.00	63.10			1	3.10	0.90	0.90	2.51	
		LHS							
		South to North							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	30.00			1	15.00	0.90	0.90	12.15	
30.00	45.00			1	15.00	0.90	0.90	12.15	
45.00	60.00			1	15.00	0.90	0.90	12.15	
60.00	66.30			1	6.30	0.90	0.90	5.10	
		Dead END							
0.00	5.00			1	5.00	0.90	0.90	4.05	
		1st Main, 1st Cross (W0973)							
		RHS							
		North to South							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	30.00			1	15.00	0.90	0.90	12.15	
30.00	45.00			1	15.00	0.90	0.90	12.15	
45.00	45.80			1	0.80	0.90	0.90	0.65	
45.80	59.20			1	13.40	0.90	0.90	10.85	
		LHS							
		South to North							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	27.00			1	12.00	0.90	0.90	9.72	
27.00	41.80			1	14.80	0.90	0.90	11.99	
41.80	55.00			1	13.20	0.90	0.90	10.69	
55.00	60.20			1	5.20	0.90	0.90	4.21	

274.83

CIVIL Pro Sig..... Date..... BANGALORE PMC

Contractor

20.06.2022

Assistant Engineer

Assistant Executive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remark
		Dead END							
0.00	7.30			1	7.30	0.90	0.90	5.91	
		1st Main Road (W0612)							
		LHS							
		East To West							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	30.00			1	15.00	0.90	0.90	12.15	
30.00	36.60			1	6.60	0.90	0.90	5.35	
0.00	15.00			1	15.00	1.10	0.90	14.85	
15.00	30.00			1	15.00	1.10	0.90	14.85	
30.00	45.00			1	15.00	1.10	0.90	14.85	
45.00	53.30			1	8.30	1.10	0.90	8.22	
53.30	61.10	Road Break		1	0.00	1.10	0.90	0.00	
61.10	70.70			1	9.60	1.10	0.90	9.50	
70.70	85.00			1	14.30	1.10	0.90	14.16	
85.00	100.00			1	15.00	1.10	0.90	14.85	
100.00	115.00			1	15.00	1.10	0.90	14.85	
115.00	125.80			1	10.80	1.10	0.90	10.69	
		RHS							
		West To East							
0.00	15.00			1	15.00	1.10	0.90	14.85	
15.00	30.00			1	15.00	1.10	0.90	14.85	
30.00	45.00			1	15.00	1.10	0.90	14.85	
45.00	48.80			1	3.80	1.10	0.90	3.76	
48.80	63.80			1	15.00	1.10	0.90	14.85	
0.00	15.00			1	15.00	1.10	0.90	14.85	
15.00	30.00			1	15.00	1.10	0.90	14.85	
30.00	45.00			1	15.00	1.10	0.90	14.85	
45.00	60.00			1	15.00	1.10	0.90	14.85	
60.00	74.20			1	14.20	1.10	0.90	14.06	
		21st Cross Road (W0969)							
		RHS							
		North to South							
0.00	15.00			1	15.00	1.10	0.90	14.85	
15.00	20.20			1	5.20	1.10	0.90	5.15	
20.20	33.00	No Work		1	0.00	1.10	0.90	0.00	
33.00	45.00			1	12.00	1.10	0.90	11.88	
45.00	60.00			1	15.00	1.10	0.90	14.85	
60.00	68.40			1	8.40	1.10	0.90	8.32	
68.40	74.60			1	6.20	1.10	0.90	6.14	
74.60	85.00			1	10.40	1.10	0.90	10.30	
85.00	100.00			1	15.00	1.10	0.90	14.85	
100.00	115.00			1	15.00	1.10	0.90	14.85	
115.00	128.50			1	13.50	1.10	0.90	13.37	

403.54

CIVIL Pro Sig..... Date..... BANGALORE

Contractor PMC

20.06.2022

Assistant Engineer

Assistant executive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remark
		LHS							
		South to North							
0.00	15.00			1	15.00	1.10	0.90	14.85	
15.00	17.60			1	2.60	1.10	0.90	2.57	
17.60	21.80			1	4.20	1.10	0.90	4.16	
21.80	26.50			1	4.70	1.10	0.90	4.65	
26.50	36.40			1	9.90	1.10	0.90	9.80	
36.40	46.80			1	10.40	1.10	0.90	10.30	
46.80	57.20			1	10.40	1.10	0.90	10.30	
57.20	70.00			1	12.80	1.10	0.90	12.67	
70.00	78.40			1	8.40	1.10	0.90	8.32	
78.40	82.50	No Work		1	0.00	1.10	0.90	0.00	
82.50	91.00			1	8.50	1.10	0.90	8.42	
91.00	95.30			1	4.30	1.10	0.90	4.26	
95.30	104.20			1	8.90	1.10	0.90	8.81	
104.20	113.40			1	9.20	1.10	0.90	9.11	
113.40	128.20			1	14.80	1.10	0.90	14.65	
		Connecting Road 1 (W0608)							
		RHS							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	23.80			1	8.80	0.90	0.90	7.13	
		LHS							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	25.40			1	10.40	0.90	0.90	8.42	
		Dead END (W0965)							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	17.70			1	2.70	0.90	0.90	2.19	
		Connecting Road 2							
		RHS							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	21.60			1	6.60	0.90	0.90	5.35	
		LHS							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	23.90			1	8.90	0.90	0.90	7.21	
		1st Main, 1st A Cross (W0975)							
0.00	15.00			1	15.00	1.10	0.90	14.85	
15.00	20.50			1	5.50	1.10	0.90	5.45	
20.50	30.30			1	9.80	1.10	0.90	9.70	
								243.90	

CIVIL Pro Sig..... Date..... BANGALORE

Contractor PMC

Assistant Engineer

Assistant exicutive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remark
		2nd Main Road (W0616)							
		RHS							
		North to South							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	30.00			1	15.00	0.90	0.90	12.15	
30.00	45.00			1	15.00	0.90	0.90	12.15	
45.00	60.00			1	15.00	0.90	0.90	12.15	
60.00	74.40			1	14.40	0.90	0.90	11.66	
0.00	10.70		CAFE	1	10.70	1.10	0.90	10.59	
10.70	25.00			1	14.30	1.10	0.90	14.16	
25.00	32.50			1	7.50	1.10	0.90	7.43	
32.50	45.00			1	12.50	1.10	0.90	12.38	
45.00	60.00			1	15.00	1.10	0.90	14.85	
60.00	75.00			1	15.00	1.10	0.90	14.85	
75.00	90.00			1	15.00	1.10	0.90	14.85	
90.00	105.00			1	15.00	1.10	0.90	14.85	
105.00	120.00			1	15.00	1.10	0.90	14.85	
120.00	121.20			1	1.20	1.10	0.90	1.19	
		LHS							
		South to North							
0.00	14.20			1	14.20	0.90	0.90	11.50	
		2nd A Main Road (W0616)							
		RHS							
0.00	15.00			1	15.00	1.00	0.90	13.50	
15.00	26.50			1	11.50	1.00	0.90	10.35	
26.50	35.70			1	9.20	1.00	0.90	8.28	
35.70	46.40			1	10.70	1.00	0.90	9.63	
46.40	58.00			1	11.60	1.00	0.90	10.44	
58.00	70.60			1	12.60	1.00	0.90	11.34	
70.60	83.30		CAFE	1	12.70	1.00	0.90	11.43	
		18th A Cross Road (W0618)							
		LHS							
		South to North							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	27.20			1	12.20	0.90	0.90	9.88	
27.20	36.90			1	9.70	0.90	0.90	7.86	
36.90	44.40			1	7.50	0.90	0.90	6.08	
44.40	50.00			1	5.60	0.90	0.90	4.54	
50.00	65.00			1	15.00	0.90	0.90	12.15	
65.00	75.00			1	10.00	0.90	0.90	8.10	
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	25.10			1	10.10	0.90	0.90	8.18	

347.8)

CIVIL Pro Sig..... Date..... BANGALORE

Contractor / PMC

Assistant Engineer

Assistant executive Engineer

Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remark
Fro	To								
		Munikempanna Layout							
		1st Cross Road (W0973)							
		RHS							
		North to South							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	30.00			1	15.00	0.90	0.90	12.15	
30.00	45.00			1	15.00	0.90	0.90	12.15	
45.00	60.00			1	15.00	0.90	0.90	12.15	
60.00	75.00			1	15.00	0.90	0.90	12.15	
75.00	85.60			1	10.60	0.90	0.90	8.59	
		Dead END (W0965)							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	30.00			1	15.00	0.90	0.90	12.15	
30.00	35.70			1	5.70	0.90	0.90	4.62	
		Dasarahalli Main Road (M0022)							
		RHS							
0.00	15.00			1	15.00	0.90	0.90	12.15	
15.00	30.00			1	15.00	0.90	0.90	12.15	
30.00	45.00			1	15.00	0.90	0.90	12.15	
45.00	59.10			1	14.10	0.90	0.90	11.42	
		2nd Cross (W0983) Dead End							
0.00	12.90			1	12.90	0.90	0.90	10.45	
		For Culvert							
		Kuvempu Layout							
		2nd Main Road (W0616)	Cum	1	5.75	1.40	0.85	6.84	
				1	8.20	1.40	0.85	9.76	
				1	6.20	1.40	0.85	7.38	
				1	10.40	1.40	0.85	12.38	
		Dead End Road (W0965)		1	8.10	1.40	0.85	9.64	
		21st Cross Road (W0969)		1	7.40	1.40	0.85	8.81	
		Dasarahalli Main Road (M0022)		1	7.00	1.40	0.85	8.33	
		1st Main Road (W0612)		1	7.70	1.40	0.85	9.16	
				1	4.70	1.40	0.85	5.59	
				1	9.50	1.40	0.85	11.31	
		20th R Cross Road (W0961)		1	7.00	1.40	0.85	8.33	
		18th A Cross Road (W0618)		1	6.30	1.40	0.85	7.50	
		1st Main Road (W0612)		1	5.50	1.40	0.85	6.55	
		Mariyanna Palya							
		Joseph House Road (W0884)		1	5.60	1.70	0.85	8.09	
		Moto Works Oppo. (W1299)		1	6.10	1.70	0.85	8.81	
				1	5.80	1.70	0.85	8.38	
				1	5.10	1.70	0.85	7.37	
				1	5.20	1.70	0.85	7.51	

308.31

CIVIL Pro Sig..... Date..... BANGALORE PMC

Contractor

22.06.2022

Assistant Engineer

Assistant executive Engineer

Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remark
Fro	To								
		Desilt							
		Mariyanna Palya							
		St. Anthony Church Road (I0794)							
0.00	15.00		Cum	1	15.00	0.75	0.75	8.44	
15.00	30.00			1	15.00	0.75	0.75	8.44	
30.00	37.50	Culvert		0	0.00	0.75	0.75	0.00	
37.50	50.00			1	12.50	0.75	0.75	7.03	
50.00	65.00			1	15.00	0.75	0.75	8.44	
65.00	80.00			1	15.00	0.75	0.75	8.44	
80.00	94.80			1	14.80	0.75	0.75	8.33	
94.80	103.80	Culvert		0	0.00	0.00	0.75	0.00	
103.80	115.00			1	11.20	0.75	0.75	6.30	
115.00	128.10			1	13.10	0.75	0.75	7.37	
128.10	135.00	Culvert		0	0.00	0.75	0.75	0.00	
135.00	147.30			1	12.30	0.75	0.75	6.92	
147.30	152.50			1	5.20	0.75	0.75	2.92	
152.50	162.00			1	9.50	0.75	0.75	5.34	
162.00	177.00			1	15.00	0.75	0.75	8.44	
177.00	191.50			1	14.50	0.75	0.75	8.16	
191.50	200.00			1	8.50	0.75	0.75	4.78	
200.00	215.00			1	15.00	0.75	0.75	8.44	
215.00	228.00			1	13.00	0.75	0.75	7.31	
228.00	240.00			1	12.00	0.75	0.75	6.75	
240.00	244.50			1	4.50	0.75	0.75	2.53	104.37
							Total Executed Quantity	2510.50	
							Qty Carried to Summary	2510.50	

CIVIL Pro
Sig.....
Date.....
BMC
BANGALORE

22.06.2022

Contactor

Assistant Engineer

Assistant executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

AME OF WORK:- Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, huvaneshwarinagra, Dasarahalli Balance Roads and Surrounding Area in Ward No.06 Byatarayanapura ub Division

PRE MEASUREMENT SHEET

First and Part Bill

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remark
Item no.02		Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge.							
Measurements taken on									
		Mariyanna Palya							
		St. Anthony Church Road (I0794)							
3.00	10.00		Cum	2	7.00	0.50	0.90	6.30	
16.00	28.00			1	12.00	0.50	0.90	5.40	
30.00	37.50	Culvert		0	0.00	0.50	0.90	0.00	
42.00	46.30			2	4.30	0.50	0.90	3.87	
55.00	61.00			2	6.00	0.50	0.90	5.40	
70.00	75.00			2	5.00	0.50	0.90	4.50	
94.80	103.80	Culvert		0	0.00	0.50	0.90	0.00	
05.00	113.00			2	8.00	0.50	0.90	7.20	
20.00	128.10			2	8.10	0.50	0.90	7.29	
128.10	135.00	Culvert		0	0.00	0.50	0.90	0.00	
141.00	145.00			2	4.00	0.50	0.90	3.60	
147.30	152.50			2	5.20	0.50	0.90	4.68	
155.00	162.00			2	7.00	0.50	0.90	6.30	
169.00	177.00			2	8.00	0.50	0.90	7.20	
182.00	189.00			2	7.00	0.50	0.90	6.30	
							Total Executed Quantity	**68.04**	
							Qty Carried to Summary	**68.04**	

CIVIL Pro Sig..... Date..... BANGALORE

Contactor

29.06.2022

Assistant Engineer

Assistant executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagra, Dasarahalli Balance Roads and Surrounding Area in Ward No.06 Byatarayanapura Sub Division

PRE MEASUREMENT SHEET

First and Part Bill

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remark
Item no.04		Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per specifications and as per the directions of the Engineer-in-charge of the work							
Measurements taken on									
		Drain PCC							
		Kaveri Layout							
		Krishna Nivas House (W1309)							
		LHS							
		South to North							
0.00	2.50		Cum	1	2.50	0.90	0.15	0.34	
2.50	15.00			1	12.50	0.90	0.15	1.69	
15.00	18.40			1	3.40	0.90	0.15	0.46	
18.40	24.40			1	6.00	0.90	0.15	0.81	
24.40	35.00			1	10.60	0.90	0.15	1.43	
35.00	50.00			1	15.00	0.90	0.15	2.03	
50.00	64.10			1	14.10	0.90	0.15	1.90	
64.10	75.00			1	10.90	0.90	0.15	1.47	
75.00	87.80			1	12.80	0.90	0.15	1.73	
87.80	91.20			1	3.40	0.90	0.15	0.46	
		RHS							
		North to South							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	19.40			1	4.40	0.90	0.15	0.59	
19.40	28.20			1	8.80	0.90	0.15	1.19	
28.20	33.50			1	5.30	0.90	0.15	0.72	
33.50	42.50			1	9.00	0.90	0.15	1.22	
42.50	54.90			1	12.40	0.90	0.15	1.67	
54.90	65.70			1	10.80	0.90	0.15	1.46	
65.70	74.10			1	8.40	0.90	0.15	1.13	
74.10	85.00			1	10.90	0.90	0.15	1.47	
85.00	92.60			1	7.60	0.90	0.15	1.03	
		Joseph House Road (W0884)							
		RHS							
		West to East							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	30.00			1	15.00	0.90	0.15	2.03	
30.00	36.40			1	6.40	0.90	0.15	0.86	

29.73

CIVIL P.O Sig..... Date..... BANGALORE

Contractor PMC

20.06.2022

Assistant Engineer

Assistant Executive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remark
36.40	48.10			1	11.70	0.90	0.15	1.58	
		LHS							
		West to East							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	27.20			1	12.20	0.90	0.15	1.65	
		1st Main Road (W1307)							
		LHS							
		North to South							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	21.30			1	6.30	0.90	0.15	0.85	
		Moto Works Oppo. (W1299)							
		RHS							
		North to South							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	17.60			1	2.60	0.90	0.15	0.35	
17.60	23.40	**Culvert**		1	0.00	0.90	0.15	0.00	
23.40	30.00			1	6.60	0.90	0.15	0.89	
30.00	45.00			1	15.00	0.90	0.15	2.03	
45.00	55.20			1	10.20	0.90	0.15	1.38	
55.20	60.30	**Culvert**		1	0.00	0.90	0.15	0.00	
60.30	75.00			1	14.70	0.90	0.15	1.98	
75.00	86.30			1	11.30	0.90	0.15	1.53	
86.30	91.50	**Culvert**		1	0.00	0.90	0.15	0.00	
91.50	105.00			1	13.50	0.90	0.15	1.82	
105.00	120.00			1	15.00	0.90	0.15	2.03	
120.00	129.60			1	9.60	0.90	0.15	1.30	
		LHS							
		South to North							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	19.20			1	4.20	0.90	0.15	0.57	
19.20	25.50			1	6.30	0.90	0.15	0.85	
25.50	30.00			1	4.50	0.90	0.15	0.61	
30.00	45.00			1	15.00	0.90	0.15	2.03	
45.00	60.00			1	15.00	0.90	0.15	2.03	
60.00	75.00			1	15.00	0.90	0.15	2.03	
75.00	90.00			1	15.00	0.90	0.15	2.03	
90.00	105.00			1	15.00	0.90	0.15	2.03	
105.00	120.00			1	15.00	0.90	0.15	2.03	
120.00	125.70			1	5.70	0.90	0.15	0.77	
		Cross Road 1 (W0870)							
		East to West							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	26.10			1	11.10	0.90	0.15	1.50	
		Cross Road 2 (W0862)							
		East to West							
0.00	15.00			1	15.00	0.90	0.15	2.03	

45.97

CIVIL Pro Sig..... Date..... BANGALORE BBMP

Contractor

20.06.2022

Assistant Engineer

20/06

Assistant Executive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remark
15.00	30.00			1	15.00	0.90	0.15	2.03	
30.00	33.00			1	3.00	0.90	0.15	0.41	
		Cross Road 3							
		East to West							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	30.00			1	15.00	0.90	0.15	2.03	
30.00	37.40			1	7.40	0.90	0.15	1.00	
		Cross Road (W1297)							
		LHS							
		South to North							
0.00	15.00			1	15.00	1.10	0.15	2.48	
15.00	30.00			1	15.00	1.10	0.15	2.48	
30.00	45.00			1	15.00	1.10	0.15	2.48	
45.00	60.00			1	15.00	1.10	0.15	2.48	
60.00	75.00			1	15.00	1.10	0.15	2.48	
75.00	90.00			1	15.00	1.10	0.15	2.48	
90.00	105.00			1	15.00	1.10	0.15	2.48	
105.00	106.60			1	1.60	1.10	0.15	0.26	
		RHS							
		North to South							
0.00	15.00			1	15.00	1.10	0.15	2.48	
15.00	30.00			1	15.00	1.10	0.15	2.48	
30.00	45.00			1	15.00	1.10	0.15	2.48	
45.00	60.00			1	15.00	1.10	0.15	2.48	
60.00	75.00			1	15.00	1.10	0.15	2.48	
75.00	90.00			1	15.00	1.10	0.15	2.48	
90.00	105.00			1	15.00	1.10	0.15	2.48	
105.00	107.20			1	2.20	1.10	0.15	0.36	
		Kuvempu Layout							
		2nd Main, 2nd Cross (W0616)							
		RHS							
		North to South							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	30.00			1	15.00	0.90	0.15	2.03	
		LHS							
		South to North							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	29.80			1	14.80	0.90	0.15	2.00	
		1st Main, 3rd Cross (W0989)							
		RHS							
		North to South							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	30.00			1	15.00	0.90	0.15	2.03	
30.00	45.00			1	15.00	0.90	0.15	2.03	
45.00	60.00			1	15.00	0.90	0.15	2.03	

58.93

CIVIL Pro Sig..... Date..... BANGALORE

Contractor PMC Assistant Engineer Assistant Executive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remark
60.00	61.80			1	1.80	0.90	0.15	0.24	
		LHS							
		South to North							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	30.00			1	15.00	0.90	0.15	2.03	
30.00	45.00			1	15.00	0.90	0.15	2.03	
45.00	60.00			1	15.00	0.90	0.15	2.03	
60.00	66.90			1	6.90	0.90	0.15	0.93	
		Dead END							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	16.80			1	1.80	0.90	0.15	0.24	
		1st Main, 2nd Cross (W0983)							
		RHS							
		North to South							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	30.00			1	15.00	0.90	0.15	2.03	
30.00	45.00			1	15.00	0.90	0.15	2.03	
45.00	60.00			1	15.00	0.90	0.15	2.03	
60.00	63.10			1	3.10	0.90	0.15	0.42	
		LHS							
		South to North							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	30.00			1	15.00	0.90	0.15	2.03	
30.00	45.00			1	15.00	0.90	0.15	2.03	
45.00	60.00			1	15.00	0.90	0.15	2.03	
60.00	66.30			1	6.30	0.90	0.15	0.85	
		Dead END							
0.00	5.00			1	5.00	0.90	0.15	0.68	
		1st Main, 1st Cross (W0973)							
		RHS							
		North to South							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	30.00			1	15.00	0.90	0.15	2.03	
30.00	45.00			1	15.00	0.90	0.15	2.03	
45.00	45.80			1	0.80	0.90	0.15	0.11	
45.80	59.20			1	13.40	0.90	0.15	1.81	
		LHS							
		South to North							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	27.00			1	12.00	0.90	0.15	1.62	
27.00	41.80			1	14.80	0.90	0.15	2.00	
41.80	55.00			1	13.20	0.90	0.15	1.78	
55.00	60.20			1	5.20	0.90	0.15	0.70	

45.81

CIVIL Pro Sig..... Date..... BANGALORE

Contactor

Assistant Engineer

22.06.2016

Assistant Executive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remark
		Dead END							
0.00	7.30			1	7.30	0.90	0.15	0.99	
		1st Main Road (W0612)							
		LHS							
		East To West							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	30.00			1	15.00	0.90	0.15	2.03	
30.00	36.60			1	6.60	0.90	0.15	0.89	
0.00	15.00			1	15.00	1.10	0.15	2.48	
15.00	30.00			1	15.00	1.10	0.15	2.48	
30.00	45.00			1	15.00	1.10	0.15	2.48	
45.00	53.30			1	8.30	1.10	0.15	1.37	
53.30	61.10	**Road Break**		1	0.00	1.10	0.15	0.00	
61.10	70.70			1	9.60	1.10	0.15	1.58	
70.70	85.00			1	14.30	1.10	0.15	2.36	
85.00	100.00			1	15.00	1.10	0.15	2.48	
100.00	115.00			1	15.00	1.10	0.15	2.48	
115.00	125.80			1	10.80	1.10	0.15	1.78	
		RHS							
		West To East							
0.00	15.00			1	15.00	1.10	0.15	2.48	
15.00	30.00			1	15.00	1.10	0.15	2.48	
30.00	45.00			1	15.00	1.10	0.15	2.48	
45.00	48.80			1	3.80	1.10	0.15	0.63	
48.80	63.80			1	15.00	1.10	0.15	2.48	
0.00	15.00			1	15.00	1.10	0.15	2.48	
15.00	30.00			1	15.00	1.10	0.15	2.48	
30.00	45.00			1	15.00	1.10	0.15	2.48	
45.00	60.00			1	15.00	1.10	0.15	2.48	
60.00	74.20			1	14.20	1.10	0.15	2.34	
		21st Cross Road (W0969)							
		RHS							
		North to South							
0.00	15.00			1	15.00	1.10	0.15	2.48	
15.00	20.20			1	5.20	1.10	0.15	0.86	
20.20	33.00	**No Work**		1	0.00	1.10	0.15	0.00	
33.00	45.00			1	12.00	1.10	0.15	1.98	
45.00	60.00			1	15.00	1.10	0.15	2.48	
60.00	68.40			1	8.40	1.10	0.15	1.39	
68.40	74.60			1	6.20	1.10	0.15	1.02	
74.60	85.00			1	10.40	1.10	0.15	1.72	
85.00	100.00			1	15.00	1.10	0.15	2.48	
100.00	115.00			1	15.00	1.10	0.15	2.48	
115.00	128.50			1	13.50	1.10	0.15	2.23	

67.26

CIVIL Pro Sig..... Date..... BANGALORE BMC

Contactor

Assistant Engineer

Assistant Executive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remark
		LHS							
		South to North							
0.00	15.00			1	15.00	1.10	0.15	2.48	
15.00	17.60			1	2.60	1.10	0.15	0.43	
17.60	21.80			1	4.20	1.10	0.15	0.69	
21.80	26.50			1	4.70	1.10	0.15	0.78	
26.50	36.40			1	9.90	1.10	0.15	1.63	
36.40	46.80			1	10.40	1.10	0.15	1.72	
46.80	57.20			1	10.40	1.10	0.15	1.72	
57.20	70.00			1	12.80	1.10	0.15	2.11	
70.00	78.40			1	8.40	1.10	0.15	1.39	
78.40	82.50	No Work		1	0.00	1.10	0.15	0.00	
82.50	91.00			1	8.50	1.10	0.15	1.40	
91.00	95.30			1	4.30	1.10	0.15	0.71	
95.30	104.20			1	8.90	1.10	0.15	1.47	
104.20	113.40			1	9.20	1.10	0.15	1.52	
113.40	128.20			1	14.80	1.10	0.15	2.44	
		Connecting Road 1 (W0608)							
		RHS							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	23.80			1	8.80	0.90	0.15	1.19	
		LHS							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	25.40			1	10.40	0.90	0.15	1.40	
		Dead END (W0965)							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	17.70			1	2.70	0.90	0.15	0.36	
		Connecting Road 2							
		RHS							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	21.60			1	6.60	0.90	0.15	0.89	
		LHS							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	23.90			1	8.90	0.90	0.15	1.20	
		1st Main, 1st A Cross (W0975)							
0.00	15.00			1	15.00	1.10	0.15	2.48	
15.00	20.50			1	5.50	1.10	0.15	0.91	
20.50	30.30			1	9.80	1.10	0.15	1.62	

40.65

CIVIL Pro Sig..... Date..... BANGALORE

Contactor PMC Assistant Engineer Assistant Executive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remark
		2nd Main Road (W0616)							
		RHS							
		North to South							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	30.00			1	15.00	0.90	0.15	2.03	
30.00	45.00			1	15.00	0.90	0.15	2.03	
45.00	60.00			1	15.00	0.90	0.15	2.03	
60.00	74.40			1	14.40	0.90	0.15	1.94	
0.00	10.70			1	10.70	1.10	0.15	1.77	
10.70	25.00			1	14.30	1.10	0.15	2.36	
25.00	32.50			1	7.50	1.10	0.15	1.24	
32.50	45.00			1	12.50	1.10	0.15	2.06	
45.00	60.00			1	15.00	1.10	0.15	2.48	
60.00	75.00			1	15.00	1.10	0.15	2.48	
75.00	90.00			1	15.00	1.10	0.15	2.48	
90.00	105.00			1	15.00	1.10	0.15	2.48	
105.00	120.00			1	15.00	1.10	0.15	2.48	
120.00	121.20			1	1.20	1.10	0.15	0.20	
		LHS							
		South to North							
0.00	14.20			1	14.20	0.90	0.15	1.92	
		2nd A Main Road (W0616)							
		RHS							
0.00	15.00			1	15.00	1.00	0.15	2.25	
15.00	26.50			1	11.50	1.00	0.15	1.73	
26.50	35.70			1	9.20	1.00	0.15	1.38	
35.70	46.40			1	10.70	1.00	0.15	1.61	
46.40	58.00			1	11.60	1.00	0.15	1.74	
58.00	70.60			1	12.60	1.00	0.15	1.89	
70.60	83.30			1	12.70	1.00	0.15	1.91	
		18th A Cross Road (W0618)							
		LHS							
		South to North							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	27.20			1	12.20	0.90	0.15	1.65	
27.20	36.90			1	9.70	0.90	0.15	1.31	
36.90	44.40			1	7.50	0.90	0.15	1.01	
44.40	50.00			1	5.60	0.90	0.15	0.76	
50.00	65.00			1	15.00	0.90	0.15	2.03	
65.00	75.00			1	10.00	0.90	0.15	1.35	
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	25.10			1	10.10	0.90	0.15	1.36	

57.97

CIVIL Pro Sig..... Date..... BANGALORE PMC

Contactor

Assistant Engineer 24.06.2021

Assistant Executive Engineer 24/6

Chainage Fro	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remark
		Munikempanna Layout							
		1st Cross Road (W0973)							
		RHS							
		North to South							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	30.00			1	15.00	0.90	0.15	2.03	
30.00	45.00			1	15.00	0.90	0.15	2.03	
45.00	60.00			1	15.00	0.90	0.15	2.03	
60.00	75.00			1	15.00	0.90	0.15	2.03	
75.00	85.60			1	10.60	0.90	0.15	1.43	
		Dead END (W0965)							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	30.00			1	15.00	0.90	0.15	2.03	
30.00	35.70			1	5.70	0.90	0.15	0.77	
		Dasarahalli Main Road (M0022)							
		RHS							
0.00	15.00			1	15.00	0.90	0.15	2.03	
15.00	30.00			1	15.00	0.90	0.15	2.03	
30.00	45.00			1	15.00	0.90	0.15	2.03	
45.00	59.10			1	14.10	0.90	0.15	1.90	
		2nd Cross (W0983) Dead End							
0.00	12.90			1	12.90	0.90	0.15	1.74	
		For Culvert							
		Kuvempu Layout							
		2nd Main Road (W0616)	Cum	1	5.75	1.40	0.15	1.21	
				1	8.20	1.40	0.15	1.72	
				1	6.20	1.40	0.15	1.30	
				1	10.40	1.40	0.15	2.18	
		Dead End Road (W0965)		1	8.10	1.40	0.15	1.70	
		21st Cross Road (W0969)		1	7.40	1.40	0.15	1.55	
		Dasarahalli Main Road (M0022)		1	7.00	1.40	0.15	1.47	
		1st Main Road (W0612)		1	7.70	1.40	0.15	1.62	
				1	4.70	1.40	0.15	0.99	
				1	9.50	1.40	0.15	2.00	
		20th R Cross Road (W0961)		1	7.00	1.40	0.15	1.47	
		18th A Cross Road (W0618)		1	6.30	1.40	0.15	1.32	
		1st Main Road (W0612)		1	5.50	1.40	0.15	1.16	
		Mariyanna Palya							
		Joseph House Road (W0884)		1	5.60	1.70	0.15	1.43	
		Moto Works Oppo. (W1299)		1	6.10	1.70	0.15	1.56	
				1	5.80	1.70	0.15	1.48	
				1	5.10	1.70	0.15	1.30	
				1	5.20	1.70	0.15	1.33	

52.87

CIVIL Pro Sig..... Date..... BANGALORE

Contactor PMC 24.06.2022 Assistant Engineer Assistant executive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remark
		For Kerb							
		Mariyanna Palya							
		1st Main Road (W1307)							
		RHS							
0.00	15.00		Cum	1	15.00	0.20	0.10	0.30	
15.00	21.30			1	6.30	0.20	0.10	0.13	
		Moto Works Oppo. (W1299)							
		LHS							
0.00	15.00			1	15.00	0.20	0.10	0.30	
15.00	30.00			1	15.00	0.20	0.10	0.30	
30.00	45.00			1	15.00	0.20	0.10	0.30	
45.00	60.00			1	15.00	0.20	0.10	0.30	
60.00	75.00			1	15.00	0.20	0.10	0.30	
75.00	90.00			1	15.00	0.20	0.10	0.30	
90.00	105.00			1	15.00	0.20	0.10	0.30	
105.00	120.00			1	15.00	0.20	0.10	0.30	
120.00	125.90			1	5.90	0.20	0.10	0.12	
		RHS							
0.00	15.00								
15.00	17.60			1	15.00	0.20	0.10	0.30	
17.60	23.40	Culvert		1	2.60	0.20	0.10	0.05	
23.40	35.00			1	0.00	0.20	0.10	0.00	
35.00	50.00			1	11.60	0.20	0.10	0.23	
50.00	55.20			1	15.00	0.20	0.10	0.30	
55.20	60.30	Culvert		1	5.20	0.20	0.10	0.10	
60.30	74.00			1	0.00	0.20	0.10	0.00	
74.00	77.30	Ramp		1	13.70	0.20	0.10	0.27	
77.30	86.30			1	0.00	0.20	0.10	0.00	
86.30	91.50	Culvert		1	9.00	0.20	0.10	0.18	
91.50	105.00			1	0.00	0.20	0.10	0.00	
105.00	117.20			1	13.50	0.20	0.10	0.27	
117.20	120.40	Ramp		1	12.20	0.20	0.10	0.24	
120.40	131.50			1	0.00	0.20	0.10	0.00	
				1	11.10	0.20	0.10	0.22	
		Kuvempu Layout							
		2nd Main road 2nd Cross Road (W0616)							
		LHS							
0.00	15.00			1	15.00	0.20	0.10	0.30	
15.00	29.80			1	14.80	0.20	0.10	0.30	
		RHS							
0.00	15.00			1	15.00	0.20	0.10	0.30	
15.00	30.00			1	15.00	0.20	0.10	0.30	
		1st main 2nd Cross Road (W0983)							
		LHS							
0.00	15.00			1	15.00	0.20	0.10	0.30	

6.62

CIVIL Pro Sig..... Date..... BANGALORE

Contactor

Assistant Engineer

Assistant Executive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remark
15.00	30.00			1	15.00	0.20	0.10	0.30	
30.00	45.00			1	15.00	0.20	0.10	0.30	
45.00	63.10			1	18.10	0.20	0.10	0.36	
		RHS							
0.00	15.00			1	15.00	0.20	0.10	0.30	
15.00	30.00			1	15.00	0.20	0.10	0.30	
30.00	45.00			1	15.00	0.20	0.10	0.30	
45.00	60.00			1	15.00	0.20	0.10	0.30	
60.00	66.30			1	6.30	0.20	0.10	0.13	
		1st main 1st Cross Road (W0973)							
		RHS							
0.00	15.00			1	15.00	0.20	0.10	0.30	
15.00	24.60			1	9.60	0.20	0.10	0.19	
24.60	27.80	Ramp		1	0.00	0.20	0.10	0.00	
27.80	45.00			1	17.20	0.20	0.10	0.34	
45.00	58.20			1	13.20	0.20	0.10	0.26	
		LHS							
0.00	15.00	Ramp		1	0.00	0.20	0.10	0.00	
15.00	25.60	Ramp		1	0.00	0.20	0.10	0.00	
25.60	41.40			1	15.80	0.20	0.10	0.32	
41.40	60.20			1	18.80	0.20	0.10	0.38	
		1st main Road (W0612)							
		RHS							
0.00	15.00			1	15.00	0.20	0.10	0.30	
15.00	30.00			1	15.00	0.20	0.10	0.30	
30.00	40.20			1	10.20	0.20	0.10	0.20	
0.00	15.00			1	15.00	0.20	0.10	0.30	
15.00	30.00			1	15.00	0.20	0.10	0.30	
30.00	45.00			1	15.00	0.20	0.10	0.30	
45.00	54.30			1	9.30	0.20	0.10	0.19	
54.30	62.10	Road Break							
62.10	77.10			1	15.00	0.20	0.10	0.30	
77.10	92.10			1	15.00	0.20	0.10	0.30	
92.10	107.10			1	15.00	0.20	0.10	0.30	
107.10	122.10			1	15.00	0.20	0.10	0.30	
122.10	126.80			1	4.70	0.20	0.10	0.09	
		LHS							
0.00	15.00	No work		1	0.00	0.20	0.10	0.00	
15.00	30.00	No work		1	0.00	0.20	0.10	0.00	
30.00	45.00	No work		1	0.00	0.20	0.10	0.00	
45.00	50.00	No work		1	0.00	0.20	0.10	0.00	
50.00	65.00			1	15.00	0.20	0.10	0.30	
65.00	80.00			1	15.00	0.20	0.10	0.30	

7.86

CIVIL Pro Sig..... Date..... BANGALORE

Contactor

Assistant Engineer

Assistant exidutive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remark
80.00	95.00			1	15.00	0.20	0.10	0.30	
95.00	110.00			1	15.00	0.20	0.10	0.30	
110.00	125.30			1	15.30	0.20	0.10	0.31	
0.00	15.00			1	15.00	0.20	0.10	0.30	
15.00	30.00			1	15.00	0.20	0.10	0.30	
30.00	45.40			1	15.40	0.20	0.10	0.31	
45.40	50.30	No Work		1	0.00	0.20	0.10	0.00	
50.30	65.30			1	15.00	0.20	0.10	0.30	
65.30	74.80			1	9.50	0.20	0.10	0.19	
		1st Main 3rd Cross Road (W0989)							
		LHS							
0.00	15.00			1	15.00	0.20	0.10	0.30	
15.00	30.00			1	15.00	0.20	0.10	0.30	
30.00	45.00			1	15.00	0.20	0.10	0.30	
45.00	61.80			1	16.80	0.20	0.10	0.34	
		2nd Main Road (W0616)							
		LHS							
0.00	15.00			1	15.00	0.20	0.10	0.30	
15.00	21.20			1	6.20	0.20	0.10	0.12	
		RHS							
0.00	15.00			1	15.00	0.20	0.10	0.30	
15.00	30.00			1	15.00	0.20	0.10	0.30	
30.00	45.00			1	15.00	0.20	0.10	0.30	
45.00	60.00			1	15.00	0.20	0.10	0.30	
60.00	74.00			1	14.00	0.20	0.10	0.28	
0.00	15.00			1	15.00	0.20	0.10	0.30	
15.00	30.00			1	15.00	0.20	0.10	0.30	
30.00	45.00			1	15.00	0.20	0.10	0.30	
45.00	60.00			1	15.00	0.20	0.10	0.30	
60.00	75.00			1	15.00	0.20	0.10	0.30	
75.00	90.00			1	15.00	0.20	0.10	0.30	
90.00	105.00			1	15.00	0.20	0.10	0.30	
105.00	120.80			1	15.80	0.20	0.10	0.32	
		21th Cross Road (W0969)							
		RHS							
0.00	15.00			1	15.00	0.20	0.10	0.30	
15.00	20.20			1	5.20	0.20	0.10	0.10	
20.20	33.00	No Work							
33.00	48.00			1	15.00	0.20	0.10	0.30	
48.00	63.00			1	15.00	0.20	0.10	0.30	
63.00	68.40			1	5.40	0.20	0.10	0.11	
68.40	74.60	No Work							
74.60	89.60			1	15.00	0.20	0.10	0.30	
89.60	104.60			1	15.00	0.20	0.10	0.30	

9.57

CIVIL Pro Sig..... Date..... BANGALORE

Contactor

Assistant Engineer

Assistant exicutive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remark
104.60	119.60			1	15.00	0.20	0.10	0.30	
119.60	129.50			1	9.90	0.20	0.10	0.20	
		LHS							
0.00	13.60			1	13.60	0.20	0.10	0.27	
		Connecting Road-1 (W0608)							
		LHS							
0.00	15.00			1	15.00	0.20	0.10	0.30	
15.00	25.40			1	10.40	0.20	0.10	0.21	
		RHS							
0.00	15.00			1	15.00	0.20	0.10	0.30	
15.00	23.80			1	8.80	0.20	0.10	0.18	
		Dead End Road (W0965)							
		LHS							
0.00	15.00			1	15.00	0.20	0.10	0.30	
15.00	17.00			1	2.00	0.20	0.10	0.04	
		Connecting Road -2							
		LHS							
0.00	15.00			1	15.00	0.20	0.10	0.30	
15.00	20.50			1	5.50	0.20	0.10	0.11	
		RHS							
0.00	15.00			1	15.00	0.20	0.10	0.30	
15.00	23.90			1	8.90	0.20	0.10	0.18	
		1st A Cross Road (W0975)							
		LHS							
0.00	15.00			1	15.00	0.20	0.10	0.30	
15.00	30.30			1	15.30	0.20	0.10	0.31	
		2nd Main Road (W0616)							
0.00	15.00			1	15.00	0.20	0.10	0.30	
15.00	24.80			1	9.80	0.20	0.10	0.20	
		18th A Cross Road (W0618)							
		LHS							
0.00	15.00			1	15.00	0.20	0.10	0.30	
15.00	25.00			1	10.00	0.20	0.10	0.20	
25.00	34.80	Ramp		1	0.00	0.20	0.10	0.00	
34.80	49.80			1	15.00	0.20	0.10	0.30	
49.80	54.00			1	4.20	0.20	0.10	0.08	
54.00	69.00	Ramp		1	0.00	0.20	0.10	0.00	
69.00	72.30	Ramp		1	0.00	0.20	0.10	0.00	

4.97

4PC 06/07

CIVIL Pro Sig..... Date..... BANGALORE

Contactor

Assistant Engineer 06/07/22

Assistant Executive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remark
		2nd A Cross Road (W0616)							
		LHS							
0.00	7.40	Ramp		1	0.00	0.20	0.10	0.00	
7.40	25.10			1	17.70	0.20	0.10	0.35	
25.10	40.50	Ramp		1	0.00	0.20	0.10	0.00	
40.50	55.50			1	15.00	0.20	0.10	0.30	
55.50	69.90			1	14.40	0.20	0.10	0.29	
69.90	83.10	No Work		1	0.00	0.20	0.10	0.00	
		2nd Main Road (W0616)							
		LHS							
0.00	8.00			1	8.00	0.20	0.10	0.16	
8.00	9.80	No Work		0	0.00	0.20	0.10	0.00	
9.80	24.80			1	15.00	0.20	0.10	0.30	
24.80	36.10			1	11.30	0.20	0.10	0.23	
		Mariyannana Palya							
		1st Main Road (W0973)							
		LHS							
0.00	15.00			1	15.00	0.20	0.10	0.30	
15.00	29.80			1	14.80	0.20	0.10	0.30	
29.80	37.40	Culvert		1	0.00	0.20	0.10	0.00	
37.40	52.40			1	15.00	0.20	0.10	0.30	
52.40	67.40			1	15.00	0.20	0.10	0.30	
67.40	82.40			1	15.00	0.20	0.10	0.30	
82.40	94.80			1	12.40	0.20	0.10	0.25	
94.80	103.80	Culvert		1	0.00	0.20	0.10	0.00	
103.80	118.80			1	15.00	0.20	0.10	0.30	
118.80	128.00			1	9.20	0.20	0.10	0.18	
128.00	135.00	Culvert		1	0.00	0.20	0.10	0.00	
135.00	147.40			1	12.40	0.20	0.10	0.25	
147.40	152.60	No Work		1	0.00	0.20	0.10	0.00	
152.60	161.50			1	8.90	0.20	0.10	0.18	
161.50	177.00	No Work		1	0.00	0.20	0.10	0.00	
177.00	191.70			1	14.70	0.20	0.10	0.29	
		For Flagging Coarse							
		Mariyanna Palya							
		St. Anthony Church Road (I0794)							
0.00	15.00		Cum	2	15.00	0.20	0.10	0.60	
15.00	30.00			2	15.00	0.20	0.10	0.60	
30.00	37.50	Culvert		0	0.00	0.20	0.10	0.00	
37.50	50.00			2	12.50	0.20	0.10	0.50	
50.00	65.00			2	15.00	0.20	0.10	0.60	
65.00	80.00			2	15.00	0.20	0.10	0.60	
80.00	94.80			2	14.80	0.20	0.10	0.59	
94.80	103.80	Culvert		0	0.00	0.20	0.10	0.00	
103.80	115.00			2	11.20	0.20	0.10	0.45	
115.00	128.10			2	13.10	0.20	0.10	0.52	

9.04

CIVIL Pro Sig..... Date..... BANGALORE

Contactor

Assistant Engineer

Assistant Executive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remark
8.10	135.00	Culvert		0	0.00	0.20	0.10	0.00	
135.00	147.30			2	12.30	0.20	0.10	0.49	
147.30	152.50			2	5.20	0.20	0.10	0.21	
152.50	162.00			2	9.50	0.20	0.10	0.38	
162.00	177.00			2	15.00	0.20	0.10	0.60	
177.00	191.50			2	14.50	0.20	0.10	0.58	
191.50	200.00	No work		2	0.00	0.20	0.10	0.00	
200.00	215.00	No work		2	0.00	0.20	0.10	0.00	
215.00	228.00	No work		2	0.00	0.20	0.10	0.00	
228.00	240.00	No work		2	0.00	0.20	0.10	0.00	
240.00	244.50	No work		2	0.00	0.20	0.10	0.00	
							Total Executed Quantity	439.50	
							Qty Carried to Summary	439.50	

CIVIL Pro
Sig.....
Date.....
BANGALORE

Contactor

Assistant Engineer

Assistant executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagra, Dasarahalli Balance Roads and Surrounding Area in Ward No.06 Byatarayanapura Sub Division

PRE MEASUREMENT SHEET

First and Part Bill

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remark
Item no.06		Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work							
Measurements taken on									
		For Drain	Tonne	From Steel Calculation Sheet				63.91	
		For Culvert	Tonne	From Steel Calculation Sheet				6.04	
							Total Executed Quantity	69.96	
							Qty Carried to Summary	69.96	

CIVIL Pro Sig..... Date..... BANGALORE

Contactor PMC Assistant Engineer Assistant executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagra, Dasarahalli Balance Roads and Surrounding Area in Ward No.06 Byatarayanapura Sub Division

PRE MEASUREMENT SHEET

First and Part Bill

STEEL CALCULATION

Sl NO	Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
			mm			m	m	kg/m	Kg's
Item no.06	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work								
Measurements Taken On;									
	Present Bill Measurements								
	For RCC Drain								
	Kaveri Layout								
	Krishna Nivas House								
	LHS								
	South to North								
	Main Bars (#12@140 c/c)	1	12	651	651	2.25	1465.71	0.89	1301.28
	Distribution(15-#10)	1	10	16	16	91.20	1459.20	0.62	899.65
	RHS								
	North to South								
	Main Bars (#12@140 c/c)	1	12	661	661	2.25	1488.21	0.89	1321.26
	Distribution(15-#10)	1	10	16	16	92.60	1481.60	0.62	913.46
	Joseph House Road (W0884)								
	RHS								
	West to East								
	Cross Road 3								
	Main Bars (#12@140 c/c)	1	12	344	344	2.25	773.04	0.89	686.31
	Distribution(12-#10)	1	10	16	16	48.10	769.60	0.62	474.49
	LHS								
	West to East								
	Cross Road (W1297)								
	Main Bars (#12@140 c/c)	1	12	181	181	2.25	408.00	0.89	362.23
	Distribution(12-#10)	1	10	16	16	27.20	435.20	0.62	268.32

6227

CIVIL Pro Sig..... Date..... BANGALORE

22.06.22

Contactor PMC Assistant Engineer Assistant Executive Engineer

Sl No	Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
			mm			m	m	kg/m	Kg's
	1st Main Road (W1307)								
	LHS								
	North to South								
	Main Bars (#12@140 c/c)	1	12	152	152	2.25	342.32	0.89	303.92
	Distribution(12-#10)	1	10	16	16	21.30	340.80	0.62	210.12
	Moto Works Oppo. (W1299)								
	RHS								
	North to South								
	Main Bars (#12@140 c/c)	1	12	742	742	2.25	1669.82	0.89	1482.49
	Distribution(12-#10)	1	10	16	16	103.90	1662.40	0.62	1024.93
	LHS								
	South to North								
	Main Bars (#12@140 c/c)	1	12	898	898	2.25	2020.18	0.89	1793.54
	Distribution(12-#10)	1	10	16	16	125.70	2011.20	0.62	1239.98
	Cross Road 1 (W0870)								
	East to West								
	Main Bars (#12@140 c/c)	1	12	186	186	2.25	419.46	0.89	372.41
	Distribution(12-#10)	1	10	16	16	26.10	417.60	0.62	257.47
	Cross Road 2 (W0862)								
	East to West								
	Main Bars (#12@140 c/c)	1	12	236	236	2.25	530.36	0.89	470.86
	Distribution(12-#10)	1	10	16	16	33.00	528.00	0.62	325.53
	Cross Road 3								
	East to West								
	Main Bars (#12@140 c/c)	1	12	267	267	2.25	601.07	0.89	533.64
	Distribution(12-#10)	1	10	16	16	37.40	598.40	0.62	368.94
	Cross Road (W1297)								
	LHS								
	South to North								
	Main Bars (#12@140 c/c)	1	12	761	761	2.40	1827.43	0.89	1622.42
	Distribution(12-#10)	1	10	18	18	106.60	1918.80	0.62	1183.01

1184.25

CIVIL PTO Sig..... Date..... BANGALORE

Contactor PMC

22.06.2022

Assistant Engineer

Assistant Executive Engineer

Sl No	Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
			mm			m	m	kg/m	Kg's
	RHS								
	North to South								
	Main Bars (#12@140 c/c)	1	12	766	766	2.40	1837.71	0.89	1631.55
	Distribution(12-#10)	1	10	18	18	107.20	1929.60	0.62	1189.67
	Kuvempu Layout								
	2nd Main, 2nd Cross								
	RHS								
	North to South								
	Main Bars (#12@140 c/c)	1	12	214	214	2.25	482.14	0.89	428.05
	Distribution(13-#10)	1	10	16	16	30.00	480.00	0.62	295.94
	LHS								
	South to North								
	Main Bars (#12@140 c/c)	1	12	213	213	2.25	478.93	0.89	425.20
	Distribution(13-#10)	1	10	16	16	29.80	476.80	0.62	293.97
	1st Main, 3rd Cross								
	RHS								
	North to South								
	Main Bars (#12@140 c/c)	1	12	441	441	2.25	993.21	0.89	881.79
	Distribution(13-#10)	1	10	16	16	61.80	988.80	0.62	609.63
	LHS								
	South to North								
	Main Bars (#12@140 c/c)	1	12	478	478	2.25	1075.18	0.89	954.56
	Distribution(13-#10)	1	10	16	16	66.90	1070.40	0.62	659.94
	Dead END								
	Main Bars (#12@140 c/c)	1	12	120	120	2.25	270.00	0.89	239.71
	Distribution(13-#10)	1	10	16	16	16.80	268.80	0.62	165.73
	1st Main, 2nd Cross (W0983)								
	RHS								
	North to South								
	Main Bars (#12@140 c/c)	1	12	451	451	2.25	1014.11	0.89	900.34
	Distribution(15-#10)	1	10	16	16	63.10	1009.60	0.62	622.46

9288.53

CIVIL Pro Sig..... Date..... BANGALORE

Contractor PMC

27.06.2022

Assistant Engineer

Assistant executive Engineer

Sl No	Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
			mm			m	m	kg/m	Kg's
	LHS								
	South to North								
	Main Bars (#12@140 c/c)	1	12	474	474	2.25	1065.54	0.89	946.00
	Distribution(15-#10)	1	10	16	16	66.30	1060.80	0.62	654.02
	Dead END								
	Main Bars (#12@140 c/c)	1	12	36	36	2.25	80.36	0.89	71.34
	Distribution(12-#10)	1	10	16	16	5.00	80.00	0.62	49.32
	1st Main, 1st Cross (W0973)								
	RHS								
	North to South								
	Main Bars (#12@140 c/c)	1	12	395	395	2.25	888.00	0.89	788.38
	Distribution(12-#10)	1	10	16	16	59.20	947.20	0.62	583.98
	LHS								
	South to North								
	Main Bars (#12@140 c/c)	1	12	430	430	2.25	967.50	0.89	858.96
	Distribution(12-#10)	1	10	16	16	60.20	963.20	0.62	593.85
	Dead END								
	Main Bars (#12@140 c/c)	1	12	52	52	2.25	117.32	0.89	104.16
	Distribution(12-#10)	1	10	16	16	7.30	116.80	0.62	72.01
	1st Main Road (W0612)								
	LHS								
	East To West								
	Main Bars (#12@140 c/c)	1	12	261	261	2.25	588.21	0.89	522.22
	Distribution(12-#10)	1	10	16	16	36.60	585.60	0.62	361.04
	Main Bars (#12@140 c/c)	1	12	843	843	2.40	2022.86	0.89	1795.92
	Distribution(12-#10)	1	10	18	18	118.00	2124.00	0.62	1309.53
	RHS								
	West To East								
	Main Bars (#12@140 c/c)	1	12	456	456	2.40	1093.71	0.89	971.01
	Distribution(12-#10)	1	10	18	18	63.80	1148.40	0.62	708.03

10389.79

CIVIL Pro Sig..... Date..... BANGALORE

27.06.2022

Contractor/ APWC Assistant Engineer Assistant Executive Engineer

Sl No	Description	Nos	BAR DIA mm	No. Bars	Total No. bars	Length m	Total Length m	Weight kg/m	Total weight Kg's
	Main Bars (#12@140 c/c)	1	12	530	530	2.40	1272.00	0.89	1129.30
	Distribution(12-#10)	1	10	18	18	74.20	1335.60	0.62	823.45
	21st Cross Road (W0969)								
	RHS								
	North to South								
	Main Bars (#12@140 c/c)	1	12	826	826	2.40	1983.43	0.89	1760.92
	Distribution(12-#10)	1	10	18	18	115.70	2082.60	0.62	1284.00
	LHS								
	South to North								
	Main Bars (#12@140 c/c)	1	12	886	886	2.40	2127.43	0.89	1888.76
	Distribution(12-#10)	1	10	18	18	124.10	2233.80	0.62	1377.22
	Connecting Road 1								
	RHS								
	Main Bars (#12@140 c/c)	1	12	170	170	2.25	382.50	0.89	339.59
	Distribution(12-#10)	1	10	16	16	23.80	380.80	0.62	234.78
	LHS								
	Main Bars (#12@140 c/c)	1	12	181	181	2.25	408.21	0.89	362.42
	Distribution(12-#10)	1	10	16	16	25.40	406.40	0.62	250.56
	Dead END (W0965)								
	Main Bars (#12@140 c/c)	1	12	126	126	2.25	284.46	0.89	252.55
	Distribution(13-#10)	1	10	16	16	17.70	283.20	0.62	174.60
	Connecting Road 2								
	RHS								
	Main Bars (#12@140 c/c)	1	12	154	154	2.25	347.14	0.89	308.20
	Distribution(13-#10)	1	10	16	16	21.60	345.60	0.62	213.08
	LHS								
	Main Bars (#12@140 c/c)	1	12	171	171	2.25	384.11	0.89	341.02
	Distribution(13-#10)	1	10	16	16	23.90	382.40	0.62	235.76
	1st Main, 1st A Cross								

10976.20

CIVIL Pro Sig..... Date..... BANGALORE

Contractor

Assistant Engineer 24.06.2022

Assistant Executive Engineer

Sl No	Description	Nos	BAR DIA mm	No. Bars	Total No. bars	Length m	Total Length m	Weight kg/m	Total weight Kg's
	Main Bars (#12@140 c/c)	1	12	216	216	2.40	519.43	0.89	461.16
	Distribution(13-#10)	1	10	18	18	30.30	545.40	0.62	336.26
	2nd Main Road (W0616)								
	RHS								
	North to South								
	Main Bars (#12@140 c/c)	1	12	531	531	2.25	1195.71	0.89	1061.57
	Distribution(13-#10)	1	10	16	16	74.40	1190.40	0.62	733.93
	Main Bars (#12@140 c/c)	1	12	866	866	2.40	2077.71	0.89	1844.62
	Distribution(13-#10)	1	10	18	18	121.20	2181.60	0.62	1345.04
	LHS								
	South to North								
	1st Main Road (W0612)								
	Main Bars (#12@140 c/c)	1	12	101	101	2.25	228.21	0.89	202.61
	Distribution(15-#10)	1	10	16	16	14.20	227.20	0.62	140.08
	2nd A Main Road (W0616)								
	RHS								
	Main Bars (#12@140 c/c)	1	12	640	640	2.40	1536.00	0.89	1363.68
	Distribution(15-#10)	1	10	18	18	89.60	1612.80	0.62	994.35
	18th A Cross Road (W0618)								
	LHS								
	South to North								
	Main Bars (#12@140 c/c)	1	12	536	536	2.40	1285.71	0.89	1141.48
	Distribution(12-#10)	1	10	18	18	75.00	1350.00	0.62	832.33
	Main Bars (#12@140 c/c)	1	12	179	179	2.40	430.29	0.89	382.01
	Distribution(12-#10)	1	10	18	18	25.10	451.80	0.62	278.55

1117.67

CIVIL Pro Sig..... Date..... BANGALORE

Contactor

29.06.2022

Assistant Engineer

Assistant executive Engineer

Sl No	Description	Nos	BAR DIA mm	No. Bars	Total No. bars	Length m	Total Length m	Weight kg/m	Total weight Kg's
	Munikempanna Layout								
	1st Cross Road (W0973)								
	RHS								
	North to South								
	Main Bars (#12@140 c/c)	1	12	571	571	2.25	1284.00	0.89	1139.95
	Distribution(12-#10)	1	10	16	16	85.60	1369.60	0.62	844.41
	Dead END (W0965)								
	Main Bars (#12@140 c/c)	1	12	255	255	2.25	573.75	0.89	509.38
	Distribution(12-#10)	1	10	16	16	35.70	571.20	0.62	352.17
	Dasarahalli Main Road (M0022)								
	RHS								
	Main Bars (#12@140 c/c)	1	12	422	422	2.40	1013.14	0.89	899.48
	Distribution(12-#10)	1	10	18	18	59.10	1063.80	0.62	655.87
	2nd Cross (W0983) Dead End								
	Main Bars (#12@140 c/c)	1	12	92	92	2.25	207.32	0.89	184.06
	Distribution(12-#10)	1	10	16	16	12.90	206.40	0.62	127.25
								QTY IN KG'S	**63911.02**
								QTY IN TONNE	**63.91**
	For Culvert								
	Kuvempu Layout								
	(W0616)								
	1st Main 1st Cross Road (W0973)								
	12# @140 c/c main bars	1	12	41	41	4.70	193.04	0.89	171.38
	10# @160 c/c Distrubution bars	1	10	29	29	5.75	168.91	0.62	104.14
	1st Main 1st Cross Road (W0973)								
	12# @140 c/c main bars	1	12	59	59	5.20	304.57	0.89	270.40
	10# @160 c/c Distrubution bars	1	10	33	33	8.20	266.50	0.62	164.31
	12# @140 c/c main bars	1	12	44	44	4.70	208.14	0.89	184.79
	10# @160 c/c Distrubution bars	1	10	29	29	6.20	182.13	0.62	112.29

29/06

29.06.22

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CIVIL Pro Sig..... Date..... BANGALORE

Contactor PMC

Assistant Engineer

Assistant Executive Engineer

Sl No	Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
			mm			m	m	kg/m	Kg's
	12# @140 c/c main bars	1	12	74	74	4.70	349.14	0.89	309.97
	10# @160 c/c Distrubution bars	1	10	29	29	10.40	305.50	0.62	188.35
	Dead End Road (W0965)								
	12# @140 c/c main bars	1	12	58	58	4.70	271.93	0.89	241.42
	10# @160 c/c Distrubution bars	1	10	29	29	8.10	237.94	0.62	146.70
	21st Cross Road (W0969)								
	12# @140 c/c main bars	1	12	53	53	4.70	248.43	0.89	220.56
	10# @160 c/c Distrubution bars	1	10	29	29	7.40	217.38	0.62	134.02
	Dasarahalli Main Road (M0022)								
	12# @140 c/c main bars	1	12	50	50	4.70	235.00	0.89	208.64
	10# @160 c/c Distrubution bars	1	10	29	29	7.00	205.63	0.62	126.78
	1st Main Road (W0612)								
	12# @140 c/c main bars	1	12	55	55	4.70	258.50	0.89	229.50
	10# @160 c/c Distrubution bars	1	10	29	29	7.70	226.19	0.62	139.45
	12# @140 c/c main bars	1	12	34	34	4.70	157.79	0.89	140.08
	10# @160 c/c Distrubution bars	1	10	29	29	4.70	138.06	0.62	85.12
	12# @140 c/c main bars	1	12	68	68	4.70	318.93	0.89	283.15
	10# @160 c/c Distrubution bars	1	10	29	29	9.50	279.06	0.62	172.05
	20th R Cross Road (W0961)								
	12# @140 c/c main bars	1	12	50	50	4.70	235.00	0.89	208.64
	10# @160 c/c Distrubution bars	1	10	29	29	7.00	205.63	0.62	126.78
	18th A Cross Road (W0618)								
	12# @140 c/c main bars	1	12	45	45	4.70	211.50	0.89	187.77

3148.98

CIVIL Pro Sig..... Date..... BANGALORE PMC

Contactor

Assistant Engineer

Assistant Executive Engineer

Sl No	Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
			mm			m	m	kg/m	Kg's
	10# @160 c/c Distrubution bars	1	10	29	29	6.30	185.06	0.62	114.10
	1st Main Road (W0612)								
	12# @140 c/c main bars	1	12	39	39	4.70	184.64	0.89	163.93
	10# @160 c/c Distrubution bars	1	10	29	29	5.50	161.56	0.62	99.61
	Mariyanna Palya Joseph House Road (W0884)								
	12# @140 c/c main bars	1	12	40	40	5.30	212.00	0.89	188.22
	10# @160 c/c Distrubution bars	1	10	33	33	5.60	185.50	0.62	114.37
	Moto Works Oppo. (W1299)								
	12# @140 c/c main bars	1	12	44	44	5.30	230.93	0.89	205.02
	10# @160 c/c Distrubution bars	1	10	33	33	6.10	202.06	0.62	124.58
	12# @140 c/c main bars	1	12	41	41	5.30	219.57	0.89	194.94
	10# @160 c/c Distrubution bars	1	10	34	34	5.80	197.20	0.62	121.58
	12# @140 c/c main bars	1	12	36	36	5.30	193.07	0.89	171.41
	10# @160 c/c Distrubution bars	1	10	34	34	5.10	173.40	0.62	106.91
	12# @140 c/c main bars	1	12	37	37	5.30	196.86	0.89	174.77
	10# @160 c/c Distrubution bars	1	10	34	34	5.20	176.80	0.62	109.00
							QTY IN KG'S		6044.72
							QTY IN TONNE		6.04
							TOTAL QTY IN KG'S		69955.74
							TOTAL QTY IN TONNE		69.96

CIVIL Pro Sig..... Date..... BANGALORE

Contactor PMC Assistant Engineer Assistant executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagra, Dasarahalli Balance Roads and Surrounding Area in Ward No.06 Byatarayanapura Sub Division

PRE MEASUREMENT SHEET

First and Part Bill

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
Item no.12		Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications and directions of the Engineer in charge.									
Measurements taken on											
		For Asphalt Road									
		Kuvempu Layout									
		2nd Main Road 1st Cross Road (W0977)									
0.00	15.00		Cum	1	15.00	7.50	6.65	7.08	0.35	37.14	
15.00	23.80			1	8.80	6.65	6.65	6.65	0.35	20.48	
23.80	34.40	No work		1	0.00	0.00	0.00	0.00	0.35	0.00	
34.40	45.00			1	10.60	6.45	5.50	5.98	0.35	22.17	
45.00	57.90			1	12.90	5.60	6.25	5.93	0.35	26.75	
		2nd Main Road 2nd Cross Road (W0616)									
0.00	15.00			1	15.00	4.90	5.20	5.05	0.35	26.51	
15.00	29.80			1	14.80	5.20	5.60	5.40	0.35	27.97	
		1st Main Road 2nd Cross Road (W0983)									
0.00	15.00			1	15.00	6.40	6.20	6.30	0.35	33.08	
15.00	30.00			1	15.00	6.20	6.30	6.25	0.35	32.81	
30.00	45.00			1	15.00	6.30	6.40	6.35	0.35	33.34	
45.00	62.50			1	17.50	6.40	5.45	5.93	0.35	36.29	
		1st Main Road 1st Cross Road (W0973)									
0.00	15.00			1	15.00	6.40	6.20	6.30	0.35	33.08	
15.00	30.00			1	15.00	6.20	6.30	6.25	0.35	32.81	
30.00	45.00			1	15.00	6.30	6.40	6.35	0.35	33.34	
45.00	58.20			1	13.20	6.40	5.45	5.93	0.35	27.37	
		1st Main Road (W0612)									
0.00	15.00			1	15.00	5.25	5.35	5.30	0.35	27.83	
15.00	30.00			1	15.00	5.35	6.60	5.98	0.35	31.37	
30.00	45.00			1	15.00	6.60	6.20	6.40	0.35	33.60	
45.00	60.00			1	15.00	6.20	6.05	6.13	0.35	32.16	
60.00	75.00			1	15.00	6.05	5.70	5.88	0.35	30.84	
75.00	90.00			1	15.00	5.70	5.90	5.80	0.35	30.45	
90.00	95.60			1	5.60	6.00	7.50	6.75	0.35	13.23	
95.60	105.00			1	9.40	7.50	7.30	7.40	0.35	24.35	
105.00	120.00			1	15.00	7.30	7.30	7.30	0.35	38.33	
120.00	124.00			1	4.00	7.30	8.20	7.75	0.35	10.85	
124.00	126.40			1	2.40	8.20	12.20	10.20	0.35	8.57	
126.40	135.00			1	8.60	12.20	12.30	12.25	0.35	36.87	
135.00	146.20			1	11.20	11.10	8.20	9.65	0.35	37.83	
146.20	160.00			1	13.80	8.20	8.70	8.45	0.35	40.81	
160.00	165.20			1	5.20	8.70	5.80	7.25	0.35	13.20	
165.20	180.00			1	14.80	5.80	6.15	5.98	0.35	30.95	

86437

CIVIL Pvt Sig..... Date..... BANGALORE

Contractor

11.07.2022

Assistant Engineer

Assistant Executive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
180.00	195.00			1	15.00	6.15	6.20	6.18	0.35	32.42	
195.00	201.40			1	6.40	6.20	6.50	6.35	0.35	14.22	
201.40	205.10			1	3.70	6.50	3.70	5.10	0.35	6.60	
205.10	207.50			1	2.40	3.70	1.60	2.65	0.35	2.23	
		1st Main 3rd Cross (W0989)									
0.00	15.00			1	15.00	5.65	5.60	5.63	0.35	29.53	
15.00	30.00			1	15.00	5.60	5.65	5.63	0.35	29.53	
30.00	45.00			1	15.00	5.65	5.45	5.55	0.35	29.14	
45.00	61.20			1	16.20	5.45	5.20	5.33	0.35	30.19	
		2nd Main Road (W0616)									
0.00	1.30			1	1.30	4.45	4.45	4.45	0.35	2.02	
15.00	16.70			1	1.70	6.60	6.85	6.73	0.35	4.00	
16.70	18.00	No Work		1	0.00	0.00	0.00	0.00	0.35	0.00	X
18.00	30.00			1	12.00	5.20	5.40	5.30	0.35	22.26	
30.00	45.00			1	15.00	5.40	5.60	5.50	0.35	28.88	
45.00	60.00			1	15.00	5.60	5.50	5.55	0.35	29.14	
60.00	75.00			1	15.00	5.50	5.30	5.40	0.35	28.35	
75.00	90.00			1	15.00	5.30	5.65	5.48	0.35	28.74	
90.00	105.00			1	15.00	5.50	5.30	5.40	0.35	28.35	
105.00	120.00			1	15.00	5.30	6.70	6.00	0.35	31.50	
120.00	135.00			1	15.00	6.70	6.70	6.70	0.35	35.18	
135.00	150.00			1	15.00	6.70	6.70	6.70	0.35	35.18	
150.00	164.00			1	14.00	6.40	5.20	5.80	0.35	28.42	
164.00	180.00			1	16.00	5.20	6.20	5.70	0.35	31.92	
180.00	195.00			1	15.00	6.20	5.40	5.80	0.35	30.45	
195.00	210.00			1	15.00	5.40	6.70	6.05	0.35	31.76	
210.00	218.00			1	8.00	6.70	6.40	6.55	0.35	18.34	
218.00	219.50	No Work		1	0.00	0.00	0.00	0.00	0.35	0.00	X
219.50	230.00			1	10.50	5.80	6.00	5.90	0.35	21.68	
230.00	245.00			1	15.00	6.00	5.00	5.50	0.35	28.88	
245.00	260.00			1	15.00	5.00	6.20	5.60	0.35	29.40	
260.00	275.00			1	15.00	6.20	5.20	5.70	0.35	29.93	
275.00	284.80			1	9.80	5.20	5.50	5.35	0.35	18.35	
		21th Cross Road (W0969)									
0.00	15.00			1	15.00	7.90	6.20	7.05	0.35	37.01	
15.00	20.20			1	5.20	6.05	5.50	5.78	0.35	10.51	
20.20	33.00			1	12.80	5.60	6.00	5.80	0.35	25.98	
33.00	45.00			1	12.00	6.00	6.80	6.40	0.35	26.88	
45.00	60.00			1	15.00	5.60	6.60	6.10	0.35	32.03	
60.00	75.00			1	15.00	6.60	6.70	6.65	0.35	34.91	
75.00	90.00			1	15.00	6.70	6.65	6.68	0.35	35.04	
90.00	105.00			1	15.00	6.65	6.70	6.68	0.35	35.04	
105.00	120.00			1	15.00	6.70	6.70	6.70	0.35	35.18	
120.00	130.00			1	10.00	6.70	6.70	6.70	0.35	23.45	
		Connecting Road-1 (W0608)									
0.00	3.90			1	3.90	7.20	6.95	7.08	0.35	9.66	
3.90	15.00			1	11.10	9.00	8.00	8.50	0.35	33.02	
15.00	23.80			1	8.80	8.00	7.60	7.80	0.35	24.02	
		Dead End (W0965)									
0.00	15.00			1	15.00	5.95	6.40	6.18	0.35	32.42	
15.00	25.40			1	10.40	6.40	6.40	6.40	0.35	23.30	
		Connecting Road-2									
0.00	15.00			1	15.00	5.90	5.90	5.90	0.35	30.98	
15.00	24.00			1	9.00	5.90	5.90	5.90	0.35	18.59	

1184.60

CIVIL P.O. Sig..... Date..... BANGALORE

Contractor PMC

11.07.2022

Assistant Engineer

Assistant Executive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
		1st A Cross Road (W0975)									
0.00	15.00			1	15.00	7.70	7.90	7.80	0.35	40.95	
15.00	31.30			1	16.30	7.90	8.00	7.95	0.35	45.35	
		18th A Cross Road (W0618)									
0.00	15.00			1	15.00	5.80	5.60	5.70	0.35	29.93	
15.00	30.00			1	15.00	5.60	5.60	5.60	0.35	29.40	
30.00	45.00			1	15.00	5.60	5.50	5.55	0.35	29.14	
45.00	60.00			1	15.00	5.50	4.90	5.20	0.35	27.30	
60.00	74.20			1	14.20	5.60	4.90	5.25	0.35	26.09	
		For CC Road									
		Kaveri Layout									
		Krishna Nivas House (W1309)									
		South to North									
0.00	15.00			1	15.00	5.30	4.95	5.13	0.45	34.59	
15.00	30.00			1	15.00	4.95	5.20	5.08	0.45	34.26	
30.00	45.00			1	15.00	5.20	5.15	5.18	0.45	34.93	
45.00	60.00			1	15.00	5.15	5.15	5.15	0.45	34.76	
60.00	75.00			1	15.00	5.15	5.20	5.18	0.45	34.93	
75.00	90.00			1	15.00	5.20	3.90	4.55	0.45	30.71	
90.00	91.10			1	1.10	3.90	3.90	3.90	0.45	1.93	
		Joseph House Road (W0884)									
		West to East									
0.00	15.00			1	15.00	4.90	5.15	5.03	0.45	33.92	
15.00	30.00			1	15.00	5.15	4.90	5.03	0.45	33.92	
30.00	45.00			1	15.00	4.90	5.80	5.35	0.45	36.11	
45.00	46.20			1	1.20	5.80	5.85	5.83	0.45	3.15	
		Moto Works Oppo. (W1299)									
		South to North									
0.00	15.00			1	15.00	5.90	5.35	5.63	0.45	37.97	
15.00	30.00			1	15.00	5.35	5.00	5.18	0.45	34.93	
30.00	45.00			1	15.00	5.00	5.20	5.10	0.45	34.43	
45.00	60.00			1	15.00	5.20	5.25	5.23	0.45	35.27	
60.00	75.00			1	15.00	5.25	5.05	5.15	0.45	34.76	
75.00	90.00			1	15.00	5.05	5.45	5.25	0.45	35.44	
90.00	105.00			1	15.00	5.45	5.45	5.45	0.45	36.79	
105.00	120.00			1	15.00	5.45	4.40	4.93	0.45	33.24	
120.00	128.10			1	8.10	4.40	3.95	4.18	0.45	15.22	
		Cross Road 1 (W0870)									
		West to East									
0.00	15.00			1	15.00	4.10	4.65	4.38	0.45	29.53	
15.00	25.60			1	10.60	4.65	4.10	4.38	0.45	20.87	
		Cross Road 2 (W0862)									
		West to East									
0.00	15.00			1	15.00	5.30	5.25	5.28	0.45	35.61	
15.00	30.00			1	15.00	5.25	4.85	5.05	0.45	34.09	
30.00	32.30			1	2.30	4.85	3.50	4.18	0.45	4.32	
		Cross Road (W1297)									
		South to North									
0.00	15.00			1	15.00	5.40	5.10	5.25	0.45	35.44	
15.00	30.00			1	15.00	5.10	4.70	4.90	0.45	33.08	
30.00	45.00			1	15.00	4.70	4.60	4.65	0.45	31.39	

1063.73

CIVIL Pro Sig..... Date..... BANGALORE

Contractor

Assistant Engineer

Assistant Executive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
45.00	60.00			1	15.00	4.60	4.50	4.55	0.45	30.71	
60.00	75.00			1	15.00	4.50	4.30	4.40	0.45	29.70	
75.00	90.00			1	15.00	4.30	4.00	4.15	0.45	28.01	
90.00	105.00			1	15.00	4.00	4.00	4.00	0.45	27.00	DS.43
									Total Executed Quantity	3228.12	
									Qty Carried to Summary	3228.12	

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ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

CIVIL Pro
Sig.....
Date.....
BANGALORE

Contactor

13.04.2022

Assistant Engineer

Assistant exicutive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagra, Dasarahalli Balance Roads and Surrounding Area in Ward No.06 Byatarayanapura Sub Division

PRE MEASUREMENT SHEET

First and Part Bill

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
Item no.13		Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications and directions of the Engineer in charge.									
Measurements taken on											
		For Asphalt Road									
		Kuvempu Layout									
		2nd Main Road 1st Cross Road (W0977)									
0.00	15.00		Sqm	1	15.00	7.50	6.65	7.08		106.13	
15.00	23.80			1	8.80	6.65	6.65	6.65		58.52	
23.80	34.40	No work		1	0.00	0.00	0.00	0.00		0.00	
34.40	45.00			1	10.60	6.45	5.50	5.98		63.34	
45.00	57.90			1	12.90	5.60	6.25	5.93		76.43	
		2nd Main Road 2nd Cross Road (W0616)									
0.00	15.00			1	15.00	4.90	5.20	5.05		75.75	
15.00	29.80			1	14.80	5.20	5.60	5.40		79.92	
		1st Main Road 2nd Cross Road (W0983)									
0.00	15.00			1	15.00	6.40	6.20	6.30		94.50	
15.00	30.00			1	15.00	6.20	6.30	6.25		93.75	
30.00	45.00			1	15.00	6.30	6.40	6.35		95.25	
45.00	62.50			1	17.50	6.40	5.45	5.93		103.69	
		1st Main Road 1st Cross Road (W0973)									
0.00	15.00			1	15.00	6.40	6.20	6.30		94.50	
15.00	30.00			1	15.00	6.20	6.30	6.25		93.75	
30.00	45.00			1	15.00	6.30	6.40	6.35		95.25	
45.00	58.20			1	13.20	6.40	5.45	5.93		78.21	
		1st Main Road (W0612)									
0.00	15.00			1	15.00	5.25	5.35	5.30		79.50	
15.00	30.00			1	15.00	5.35	6.60	5.98		89.63	
30.00	45.00			1	15.00	6.60	6.20	6.40		96.00	
45.00	60.00			1	15.00	6.20	6.05	6.13		91.88	
60.00	75.00			1	15.00	6.05	5.70	5.88		88.13	
75.00	90.00			1	15.00	5.70	5.90	5.80		87.00	
90.00	95.60			1	5.60	6.00	7.50	6.75		37.80	
95.60	105.00			1	9.40	7.50	7.30	7.40		69.56	
105.00	120.00			1	15.00	7.30	7.30	7.30		109.50	
120.00	124.00			1	4.00	7.30	8.20	7.75		31.00	
124.00	126.40			1	2.40	8.20	12.20	10.20		24.48	
126.40	135.00			1	8.60	12.20	12.30	12.25		105.35	
135.00	146.20			1	11.20	11.10	8.20	9.65		108.08	
146.20	160.00			1	13.80	8.20	8.70	8.45		116.61	
160.00	165.20			1	5.20	8.70	5.80	7.25		37.70	
165.20	180.00			1	14.80	5.80	6.15	5.98		88.43	
180.00	195.00			1	15.00	6.15	6.20	6.18		92.63	
195.00	201.40			1	6.40	6.20	6.50	6.35		40.64	

2602.88

CIVIL Pro Sig..... Date..... BANGALORE PMC

Contractor

Assistant Engineer

Assistant Executive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
201.40	205.10			1	3.70	6.50	3.70	5.10		18.87	
205.10	207.50			1	2.40	3.70	1.60	2.65		6.36	
		1st Main 3rd Cross (W0989)									
0.00	15.00			1	15.00	5.65	5.60	5.63		84.38	
15.00	30.00			1	15.00	5.60	5.65	5.63		84.38	
30.00	45.00			1	15.00	5.65	5.45	5.55		83.25	
45.00	61.20			1	16.20	5.45	5.20	5.33		86.27	
		2nd Main Road (W0616)									
0.00	1.30			1	1.30	4.45	4.45	4.45		5.79	
15.00	16.70			1	1.70	6.60	6.85	6.73		11.43	
16.70	18.00	No Work		1	0.00	0.00	0.00	0.00		0.00	
18.00	30.00			1	12.00	5.20	5.40	5.30		63.60	
30.00	45.00			1	15.00	5.40	5.60	5.50		82.50	
45.00	60.00			1	15.00	5.60	5.50	5.55		83.25	
60.00	75.00			1	15.00	5.50	5.30	5.40		81.00	
75.00	90.00			1	15.00	5.30	5.65	5.48		82.13	
90.00	105.00			1	15.00	5.50	5.30	5.40		81.00	
105.00	120.00			1	15.00	5.30	6.70	6.00		90.00	
120.00	135.00			1	15.00	6.70	6.70	6.70		100.50	
135.00	150.00			1	15.00	6.70	6.70	6.70		100.50	
150.00	164.00			1	14.00	6.40	5.20	5.80		81.20	
164.00	180.00			1	16.00	5.20	6.20	5.70		91.20	
180.00	195.00			1	15.00	6.20	5.40	5.80		87.00	
195.00	210.00			1	15.00	5.40	6.70	6.05		90.75	
210.00	218.00			1	8.00	6.70	6.40	6.55		52.40	
218.00	219.50	No Work		1	0.00	0.00	0.00	0.00		0.00	
219.50	230.00			1	10.50	5.80	6.00	5.90		61.95	
230.00	245.00			1	15.00	6.00	5.00	5.50		82.50	
245.00	260.00			1	15.00	5.00	6.20	5.60		84.00	
260.00	275.00			1	15.00	6.20	5.20	5.70		85.50	
275.00	284.80			1	9.80	5.20	5.50	5.35		52.43	
		21th Cross Road (W0969)									
0.00	15.00			1	15.00	7.90	6.20	7.05		105.75	
5.00	20.20			1	5.20	6.05	5.50	5.78		30.03	
0.20	33.00			1	12.80	5.60	6.00	5.80		74.24	
3.00	45.00			1	12.00	6.00	6.80	6.40		76.80	
5.00	60.00			1	15.00	5.60	6.60	6.10		91.50	
0.00	75.00			1	15.00	6.60	6.70	6.65		99.75	
5.00	90.00			1	15.00	6.70	6.65	6.68		100.13	
0.00	105.00			1	15.00	6.65	6.70	6.68		100.13	
05.00	120.00			1	15.00	6.70	6.70	6.70		100.50	
20.00	130.00			1	10.00	6.70	6.70	6.70		67.00	
		Connecting Road-1 (W0608)									
0.00	3.90			1	3.90	7.20	6.95	7.08		27.59	
3.90	15.00			1	11.10	9.00	8.00	8.50		94.35	
5.00	23.80			1	8.80	8.00	7.60	7.80		68.64	
		Dead End (W0965)									
0.00	15.00			1	15.00	5.95	6.40	6.18		92.63	
5.00	25.40			1	10.40	6.40	6.40	6.40		66.56	
		Connecting Road-2									
0.00	15.00			1	15.00	5.90	5.90	5.90		88.50	
5.00	24.00			1	9.00	5.90	5.90	5.90		53.10	
		1st A Cross Road (W0975)									
0.00	15.00			1	15.00	7.70	7.90	7.80		117.00	

3368.31

CIVIL Pro Sig..... Date..... BANGALORE

13.07.2022

Contractor / PMC Assistant Engineer Assistant Executive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
15.0	31.30			1	16.30	7.90	8.00	7.95		129.59	
		18th A Cross Road (W0618)									
0.00	15.00			1	15.00	5.80	5.60	5.70		85.50	
15.00	30.00			1	15.00	5.60	5.60	5.60		84.00	
30.00	45.00			1	15.00	5.60	5.50	5.55		83.25	
45.00	60.00			1	15.00	5.50	4.90	5.20		78.00	
60.00	74.20			1	14.20	5.60	4.90	5.25		74.55	
		For CC Road									
		Kaveri Layout									
		Krishna Nivas House (W1309)									
		South to North									
0.00	15.00			1	15.00	5.30	4.95	5.13		76.88	
15.00	30.00			1	15.00	4.95	5.20	5.08		76.13	
30.00	45.00			1	15.00	5.20	5.15	5.18		77.63	
45.00	60.00			1	15.00	5.15	5.15	5.15		77.25	
60.00	75.00			1	15.00	5.15	5.20	5.18		77.63	
75.00	90.00			1	15.00	5.20	3.90	4.55		68.25	
90.00	91.10			1	1.10	3.90	3.90	3.90		4.29	
		Joseph House Road (W0884)									
		West to East									
0.00	15.00			1	15.00	4.90	5.15	5.03		75.38	
15.00	30.00			1	15.00	5.15	4.90	5.03		75.38	
30.00	45.00			1	15.00	4.90	5.80	5.35		80.25	
45.00	46.20			1	1.20	5.80	5.85	5.83		6.99	
		Moto Works Oppo. (W1299)									
		South to North									
0.00	15.00			1	15.00	5.90	5.35	5.63		84.38	
15.00	30.00			1	15.00	5.35	5.00	5.18		77.63	
30.00	45.00			1	15.00	5.00	5.20	5.10		76.50	
45.00	60.00			1	15.00	5.20	5.25	5.23		78.38	
60.00	75.00			1	15.00	5.25	5.05	5.15		77.25	
75.00	90.00			1	15.00	5.05	5.45	5.25		78.75	
90.00	105.00			1	15.00	5.45	5.45	5.45		81.75	
105.00	120.00			1	15.00	5.45	4.40	4.93		73.88	
120.00	128.10			1	8.10	4.40	3.95	4.18		33.82	
		Cross Road 1 (W0870)									
		West to East									
0.00	15.00			1	15.00	4.10	4.65	4.38		65.63	
15.00	25.60			1	10.60	4.65	4.10	4.38		46.38	
		Cross Road 2 (W0862)									
		West to East									
0.00	15.00			1	15.00	5.30	5.25	5.28		79.13	
15.00	30.00			1	15.00	5.25	4.85	5.05		75.75	
30.00	32.30			1	2.30	4.85	3.50	4.18		9.60	
		Cross Road (W1297)									
		South to North									
0.00	15.00			1	15.00	5.40	5.10	5.25		78.75	
15.00	30.00			1	15.00	5.10	4.70	4.90		73.50	
30.00	45.00			1	15.00	4.70	4.60	4.65		69.75	

2391.47

CIVIL Pro Sig..... Date..... BANGALORE

15.07.2022

Assistant Engineer

Assistant executive Engineer

Contractor

PMC

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
45.00	60.00			1	15.00	4.60	4.50	4.55		68.25	
60.00	75.00			1	15.00	4.50	4.30	4.40		66.00	
75.00	90.00			1	15.00	4.30	4.00	4.15		62.25	
90.00	105.00			1	15.00	4.00	4.00	4.00		60.00	256.50
									Total Executed Quantity	8619.40	
									Qty Carried to Summary	8619.40	

CIVIL Pro Sig..... Date..... BANGALORE

Contractor PMC

15.07.2022

Assistant Engineer

Assistant executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagra, Dasarahalli Balance Roads and Surrounding Area in Ward No.06 Byatarayanapura Sub Division

PRE MEASUREMENT SHEET

First and Part Bill

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
		Item no.14 Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications and directions of the Engineer in charge.									
		Measurements taken on									
		For Asphalt Road									
		Kuvempu Layout									
		2nd Main Road 1st Cross Road (W0977)									
			Cum	1	15.00	7.50	6.65	7.08	0.15	15.92	
	15.00			1	8.80	6.65	6.65	6.65	0.15	8.78	
15.00	23.80	No work		1	0.00	0.00	0.00	0.00	0.15	0.00	
23.80	34.40			1	10.60	6.45	5.50	5.98	0.15	9.50	
34.40	45.00			1	12.90	5.60	6.25	5.93	0.15	11.46	
45.00	57.90										
		2nd Main Road 2nd Cross Road (W0616)									
	15.00			1	15.00	4.90	5.20	5.05	0.15	11.36	
15.00	29.80			1	14.80	5.20	5.60	5.40	0.15	11.99	
		1st Main Road 2nd Cross Road (W0983)									
	15.00			1	15.00	6.40	6.20	6.30	0.15	14.18	
15.00	30.00			1	15.00	6.20	6.30	6.25	0.15	14.06	
30.00	45.00			1	15.00	6.30	6.40	6.35	0.15	14.29	
45.00	62.50			1	17.50	6.40	5.45	5.93	0.15	15.55	
		1st Main Road 1st Cross Road (W0973)									
0.00	15.00			1	15.00	6.40	6.20	6.30	0.15	14.18	
15.00	30.00			1	15.00	6.20	6.30	6.25	0.15	14.06	
30.00	45.00			1	15.00	6.30	6.40	6.35	0.15	14.29	
45.00	58.20			1	13.20	6.40	5.45	5.93	0.15	11.73	
		1st Main Road (W0612)									
0.00	15.00			1	15.00	5.25	5.35	5.30	0.15	11.93	
15.00	30.00			1	15.00	5.35	6.60	5.98	0.15	13.44	
30.00	45.00			1	15.00	6.60	6.20	6.40	0.15	14.40	
45.00	60.00			1	15.00	6.20	6.05	6.13	0.15	13.78	
60.00	75.00			1	15.00	6.05	5.70	5.88	0.15	13.22	
75.00	90.00			1	15.00	5.70	5.90	5.80	0.15	13.05	
90.00	95.60			1	5.60	6.00	7.50	6.75	0.15	5.67	
95.60	105.00			1	9.40	7.50	7.30	7.40	0.15	10.43	
105.00	120.00			1	15.00	7.30	7.30	7.30	0.15	16.43	
120.00	124.00			1	4.00	7.30	8.20	7.75	0.15	4.65	
124.00	126.40			1	2.40	8.20	12.20	10.20	0.15	3.67	
126.40	135.00			1	8.60	12.20	12.30	12.25	0.15	15.80	
135.00	146.20			1	11.20	11.10	8.20	9.65	0.15	16.21	
146.20	160.00			1	13.80	8.20	8.70	8.45	0.15	17.49	
160.00	165.20			1	5.20	8.70	5.80	7.25	0.15	5.65	

357.18

CIVIL Pro Sig..... Date..... BANGALORE

PMC

18.01.2022

Assistant Engineer

18.01

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagra, Dasa[illegible]halli Balance Roads and Surrounding Area in Ward No.06 Byatarayanapura Sub Division

PRE MEASUREMENT SHEET

First and Part Bill

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
Item no.14		Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications and directions of the Engineer in charge.									
Measurements taken on											
		For Asphalt Road									
		Kuvempu Layout									
		2nd Main Road 1st Cross Road (W0977)									
0.00	15.00		Cum	1	15.00	7.50	6.65	7.08	0.15	15.92	
15.00	23.80			1	8.80	6.65	6.65	6.65	0.15	8.78	
23.80	34.40	No work		1	0.00	0.00	0.00	0.00	0.15	0.00	
34.40	45.00			1	10.60	6.45	5.50	5.98	0.15	9.50	
45.00	57.90			1	12.90	5.60	6.25	5.93	0.15	11.46	
		2nd Main Road 2nd Cross Road (W0616)									
0.00	15.00			1	15.00	4.90	5.20	5.05	0.15	11.36	
15.00	29.80			1	14.80	5.20	5.60	5.40	0.15	11.99	
		1st Main Road 2nd Cross Road (W0983)									
0.00	15.00			1	15.00	6.40	6.20	6.30	0.15	14.18	
15.00	30.00			1	15.00	6.20	6.30	6.25	0.15	14.06	
30.00	45.00			1	15.00	6.30	6.40	6.35	0.15	14.29	
45.00	62.50			1	17.50	6.40	5.45	5.93	0.15	15.55	
		1st Main Road 1st Cross Road (W0973)									
0.00	15.00			1	15.00	6.40	6.20	6.30	0.15	14.18	
15.00	30.00			1	15.00	6.20	6.30	6.25	0.15	14.06	
30.00	45.00			1	15.00	6.30	6.40	6.35	0.15	14.29	
45.00	58.20			1	13.20	6.40	5.45	5.93	0.15	11.73	
		1st Main Road (W0612)									
0.00	15.00			1	15.00	5.25	5.35	5.30	0.15	11.93	
15.00	30.00			1	15.00	5.35	6.60	5.98	0.15	13.44	
30.00	45.00			1	15.00	6.60	6.20	6.40	0.15	14.40	
45.00	60.00			1	15.00	6.20	6.05	6.13	0.15	13.78	
60.00	75.00			1	15.00	6.05	5.70	5.88	0.15	13.22	
75.00	90.00			1	15.00	5.70	5.90	5.80	0.15	13.05	
90.00	95.60			1	5.60	6.00	7.50	6.75	0.15	5.67	
95.60	105.00			1	9.40	7.50	7.30	7.40	0.15	10.43	
105.00	120.00			1	15.00	7.30	7.30	7.30	0.15	16.43	
120.00	124.00			1	4.00	7.30	8.20	7.75	0.15	4.65	
124.00	126.40			1	2.40	8.20	12.20	10.20	0.15	3.67	
126.40	135.00			1	8.60	12.20	12.30	12.25	0.15	15.80	
135.00	146.20			1	11.20	11.10	8.20	9.65	0.15	16.21	
146.20	160.00			1	13.80	8.20	8.70	8.45	0.15	17.49	
160.00	165.20			1	15.20	8.70	5.80	7.25	0.15	5.65	

357.18

CIVIL Pro Sig..... Date..... BANGALORE

Contractor PMC Assistant Engineer Assistant Executive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
165.[illegible]	180.00			1	14.80	5.80	6.15	5.98	0.15	13.26	
180.00	195.00			1	15.00	6.15	6.20	6.18	0.15	13.89	
195.00	201.40			1	6.40	6.20	6.50	6.35	0.15	6.10	
201.40	205.10			1	3.70	6.50	3.70	5.10	0.15	2.83	
205.10	207.50			1	2.40	3.70	1.60	2.65	0.15	0.95	
		1st Main 3rd Cross (W0989)									
0.00	15.00			1	15.00	5.65	5.60	5.63	0.15	12.66	
15.00	30.00			1	15.00	5.60	5.65	5.63	0.15	12.66	
30.00	45.00			1	15.00	5.65	5.45	5.55	0.15	12.49	
45.00	61.20			1	16.20	5.45	5.20	5.33	0.15	12.94	
		2nd Main Road (W0616)									
0.00	1.30			1	1.30	4.45	4.45	4.45	0.15	0.87	
15.00	16.70			1	1.70	6.60	6.85	6.73	0.15	1.71	
16.70	18.00	No Work		1	0.00	0.00	0.00	0.00	0.15	0.00	
18.00	30.00			1	12.00	5.20	5.40	5.30	0.15	9.54	
30.00	45.00			1	15.00	5.40	5.60	5.50	0.15	12.38	
45.00	60.00			1	15.00	5.60	5.50	5.55	0.15	12.49	
60.00	75.00			1	15.00	5.50	5.30	5.40	0.15	12.15	
75.00	90.00			1	15.00	5.30	5.65	5.48	0.15	12.32	
90.00	105.00			1	15.00	5.50	5.30	5.40	0.15	12.15	
105.00	120.00			1	15.00	5.30	6.70	6.00	0.15	13.50	
120.00	135.00			1	15.00	6.70	6.70	6.70	0.15	15.08	
135.00	150.00			1	15.00	6.70	6.70	6.70	0.15	15.08	
150.00	164.00			1	14.00	6.40	5.20	5.80	0.15	12.18	
164.00	180.00			1	16.00	5.20	6.20	5.70	0.15	13.68	
180.00	195.00			1	15.00	6.20	5.40	5.80	0.15	13.05	
195.00	210.00			1	15.00	5.40	6.70	6.05	0.15	13.61	
210.00	218.00			1	8.00	6.70	6.40	6.55	0.15	7.86	
218.00	219.50	No Work		1	0.00	0.00	0.00	0.00	0.15	0.00	
219.50	230.00			1	10.50	5.80	6.00	5.90	0.15	9.29	
230.00	245.00			1	15.00	6.00	5.00	5.50	0.15	12.38	
245.00	260.00			1	15.00	5.00	6.20	5.60	0.15	12.60	
260.00	275.00			1	15.00	6.20	5.20	5.70	0.15	12.83	
275.00	284.80				9.80	5.20	5.50	5.35	0.15	7.86	
		21th Cross Road (W0969)									
0.00	15.00			1	15.00	7.90	6.20	7.05	0.15	15.86	
15.00	20.20			1	5.20	6.05	5.50	5.78	0.15	4.50	
20.20	33.00			1	12.80	5.60	6.00	5.80	0.15	11.14	
33.00	45.00			1	12.00	6.00	6.80	6.40	0.15	11.52	
45.00	60.00			1	15.00	5.60	6.60	6.10	0.15	13.73	
60.00	75.00			1	15.00	6.60	6.70	6.65	0.15	14.96	
75.00	90.00			1	15.00	6.70	6.65	6.68	0.15	15.02	
90.00	105.00			1	15.00	6.65	6.70	6.68	0.15	15.02	
105.00	120.00			1	15.00	6.70	6.70	6.70	0.15	15.08	
120.00	130.00			1	10.00	6.70	6.70	6.70	0.15	10.05	
		Connecting Road-1 (W0608)									
0.00	3.90			1	3.90	7.20	6.95	7.08	0.15	4.14	
3.90	15.00			1	11.10	9.00	8.00	8.50	0.15	14.15	
15.00	23.80			1	8.80	8.00	7.60	7.80	0.15	10.30	
		Dead End (W0965)									
0.00	15.00			1	15.00	5.95	6.40	6.18	0.15	13.89	
15.00	25.40			1	10.40	6.40	6.40	6.40	0.15	9.98	
		Connecting Road-2									
0.00	15.00			1	15.00	5.90	5.90	5.90	0.15	13.28	

512.49

CIVIL Pro Sig..... Date..... BANGALORE

Contractor

18.07.2022

Assistant Engineer

Assistant Executive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
15.00	24.00										
		1st A Cross Road (W0975)									
0.00	15.00			1	9.00	5.90	5.90	5.90	0.15	7.97	
15.00	31.30			1	15.00	7.70	7.90	7.80	0.15	17.55	
				1	16.30	7.90	8.00	7.95	0.15	19.44	
		18th A Cross Road (W0618)									
0.00	15.00			1	15.00	5.80	5.60	5.70	0.15	12.83	
15.00	30.00			1	15.00	5.60	5.60	5.60	0.15	12.60	
30.00	45.00			1	15.00	5.60	5.50	5.55	0.15	12.49	
45.00	60.00			1	15.00	5.50	4.90	5.20	0.15	11.70	
60.00	74.20			1	14.20	5.60	4.90	5.25	0.15	11.18	
		For CC Road									
		Kaveri Layout									
		Krishna Nivas House (W1309)									
		South to North									
0.00	15.00			1	15.00	5.30	4.95	5.13	0.15	11.53	
15.00	30.00			1	15.00	4.95	5.20	5.08	0.15	11.42	
30.00	45.00			1	15.00	5.20	5.15	5.18	0.15	11.64	
45.00	60.00			1	15.00	5.15	5.15	5.15	0.15	11.59	
60.00	75.00			1	15.00	5.15	5.20	5.18	0.15	11.64	
75.00	90.00			1	15.00	5.20	3.90	4.55	0.15	10.24	
90.00	91.10			1	1.10	3.90	3.90	3.90	0.15	0.64	
		Joseph House Road (W0884)									
		West to East									
0.00	15.00			1	15.00	4.90	5.15	5.03	0.15	11.31	
15.00	30.00			1	15.00	5.15	4.90	5.03	0.15	11.31	
30.00	45.00			1	15.00	4.90	5.80	5.35	0.15	12.04	
45.00	46.20			1	1.20	5.80	5.85	5.83	0.15	1.05	
		Moto Works Oppo. (W1299)									
		South to North									
0.00	15.00			1	15.00	5.90	5.35	5.63	0.15	12.66	
15.00	30.00			1	15.00	5.35	5.00	5.18	0.15	11.64	
30.00	45.00			1	15.00	5.00	5.20	5.10	0.15	11.48	
45.00	60.00			1	15.00	5.20	5.25	5.23	0.15	11.76	
60.00	75.00			1	15.00	5.25	5.05	5.15	0.15	11.59	
75.00	90.00			1	15.00	5.05	5.45	5.25	0.15	11.81	
90.00	105.00			1	15.00	5.45	5.45	5.45	0.15	12.26	
105.00	120.00			1	15.00	5.45	4.40	4.93	0.15	11.08	
120.00	128.10			1	8.10	4.40	3.95	4.18	0.15	5.07	
		Cross Road 1 (W0870)									
		West to East									
0.00	15.00			1	15.00	4.10	4.65	4.38	0.15	9.84	
15.00	25.60			1	10.60	4.65	4.10	4.38	0.15	6.96	
		Cross Road 2 (W0862)									
		West to East									
0.00	15.00			1	15.00	5.30	5.25	5.28	0.15	11.87	
15.00	30.00			1	15.00	5.25	4.85	5.05	0.15	11.36	
30.00	32.30			1	2.30	4.85	3.50	4.18	0.15	1.44	
		Cross Road (W1297)									
		South to North									
0.00	15.00			1	15.00	5.40	5.10	5.25	0.15	11.81	
15.00	30.00			1	15.00	5.10	4.70	4.90	0.15	11.03	

373.81

CIVIL Pro Sig..... Date..... BANGALORE

Contractor

Assistant Engineer 20.07.2022

Assistant Executive Engineer 20.7

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
30.00	45.00			1	15.00	4.70	4.60	4.65	0.15	10.46	
45.00	60.00			1	15.00	4.60	4.50	4.55	0.15	10.24	
60.00	75.00			1	15.00	4.50	4.30	4.40	0.15	9.90	
75.00	90.00			1	15.00	4.30	4.00	4.15	0.15	9.34	
90.00	105.00			1	15.00	4.00	4.00	4.00	0.15	9.00	48.94
								Total Executed Quantity		1292.91	
								Qty Carried to Summary		1292.91	

20/07

Contractor

CIVIL Pro
Sig.....
Date.....
BANGALORE

20.07.2022

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagra, Dasarahalli Balance Roads and Surrounding Area in Ward No.06 Byatarayanapura Sub Division

PRE MEASUREMENT SHEET

First and Part Bill

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
Item no.15		Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications and directions of the Engineer in charge.									
Measurements taken on											
		Kuvempu Layout									
		2nd Main Road 1st Cross Road (W0977)									
0.00	15.00		Cum	1	15.00	7.50	6.65	7.08	0.20	21.23	
15.00	23.80			1	8.80	6.65	6.65	6.65	0.20	11.70	
23.80	34.40	No work		1	0.00	0.00	0.00	0.00	0.20	0.00	
34.40	45.00			1	10.60	6.45	5.50	5.98	0.20	12.67	
45.00	57.90			1	12.90	5.60	6.25	5.93	0.20	15.29	
		2nd Main Road 2nd Cross Road (W0616)									
0.00	15.00			1	15.00	4.90	5.20	5.05	0.20	15.15	
15.00	29.80			1	14.80	5.20	5.60	5.40	0.20	15.98	
		1st Main Road 2nd Cross Road (W0983)									
0.00	15.00			1	15.00	6.40	6.20	6.30	0.20	18.90	
15.00	30.00			1	15.00	6.20	6.30	6.25	0.20	18.75	
30.00	45.00			1	15.00	6.30	6.40	6.35	0.20	19.05	
45.00	62.50			1	17.50	6.40	5.45	5.93	0.20	20.74	
		1st Main Road 1st Cross Road (W0973)									
0.00	15.00			1	15.00	6.40	6.20	6.30	0.20	18.90	
15.00	30.00			1	15.00	6.20	6.30	6.25	0.20	18.75	
30.00	45.00			1	15.00	6.30	6.40	6.35	0.20	19.05	
45.00	58.20			1	13.20	6.40	5.45	5.93	0.20	15.64	
		1st Main Road (W0612)									
0.00	15.00			1	15.00	5.25	5.35	5.30	0.20	15.90	
15.00	30.00			1	15.00	5.35	6.60	5.98	0.20	17.93	
30.00	45.00			1	15.00	6.60	6.20	6.40	0.20	19.20	
45.00	60.00			1	15.00	6.20	6.05	6.13	0.20	18.38	
60.00	75.00			1	15.00	6.05	5.70	5.88	0.20	17.63	
75.00	90.00			1	15.00	5.70	5.90	5.80	0.20	17.40	
90.00	95.60			1	5.60	6.00	7.50	6.75	0.20	7.56	
95.60	105.00			1	9.40	7.50	7.30	7.40	0.20	13.91	
105.00	120.00			1	15.00	7.30	7.30	7.30	0.20	21.90	
120.00	124.00			1	4.00	7.30	8.20	7.75	0.20	6.20	
124.00	126.40			1	2.40	8.20	12.20	10.20	0.20	4.90	
126.40	135.00			1	8.60	12.20	12.30	12.25	0.20	21.07	
135.00	146.20			1	11.20	11.10	8.20	9.65	0.20	21.62	
146.20	160.00			1	13.80	8.20	8.70	8.45	0.20	23.32	
160.00	165.20			1	5.20	8.70	5.80	7.25	0.20	7.54	
165.20	180.00			1	14.80	5.80	6.15	5.98	0.20	17.69	
180.00	195.00			1	15.00	6.15	6.20	6.18	0.20	18.53	

S 12.45

CIVIL Pro Sig..... Date..... BANGALORE

Contractor

Assistant Engineer

25.07.2022

Assistant executive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
195.40	201.40			1	6.40	6.20	6.50	6.35	0.20	8.13	
201.40	205.10			1	3.70	6.50	3.70	5.10	0.20	3.77	
205.10	207.50			1	2.40	3.70	1.60	2.65	0.20	1.27	
		1st Main 3rd Cross (W0989)									
0.00	15.00			1	15.00	5.65	5.60	5.63	0.20	16.88	
15.00	30.00			1	15.00	5.60	5.65	5.63	0.20	16.88	
30.00	45.00			1	15.00	5.65	5.45	5.55	0.20	16.65	
45.00	61.20			1	16.20	5.45	5.20	5.33	0.20	17.25	
		2nd Main Road (W0616)									
0.00	1.30			1	1.30	4.45	4.45	4.45	0.20	1.16	
15.00	16.70			1	1.70	6.60	6.85	6.73	0.20	2.29	
16.70	18.00	No Work		1	0.00	0.00	0.00	0.00	0.20	0.00	
18.00	30.00			1	12.00	5.20	5.40	5.30	0.20	12.72	
30.00	45.00			1	15.00	5.40	5.60	5.50	0.20	16.50	
45.00	60.00			1	15.00	5.60	5.50	5.55	0.20	16.65	
60.00	75.00			1	15.00	5.50	5.30	5.40	0.20	16.20	
75.00	90.00			1	15.00	5.30	5.65	5.48	0.20	16.43	
90.00	105.00			1	15.00	5.50	5.30	5.40	0.20	16.20	
105.00	120.00			1	15.00	5.30	6.70	6.00	0.20	18.00	
120.00	135.00			1	15.00	6.70	6.70	6.70	0.20	20.10	
135.00	150.00			1	15.00	6.70	6.70	6.70	0.20	20.10	
150.00	164.00			1	14.00	6.40	5.20	5.80	0.20	16.24	
164.00	180.00			1	16.00	5.20	6.20	5.70	0.20	18.24	
180.00	195.00			1	15.00	6.20	5.40	5.80	0.20	17.40	
195.00	210.00			1	15.00	5.40	6.70	6.05	0.20	18.15	
210.00	218.00			1	8.00	6.70	6.40	6.55	0.20	10.48	
218.00	219.50	No Work		1	0.00	0.00	0.00	0.00	0.20	0.00	
219.50	230.00			1	10.50	5.80	6.00	5.90	0.20	12.39	
230.00	245.00			1	15.00	6.00	5.00	5.50	0.20	16.50	
245.00	260.00			1	15.00	5.00	6.20	5.60	0.20	16.80	
260.00	275.00			1	15.00	6.20	5.20	5.70	0.20	17.10	
275.00	284.80			1	9.80	5.20	5.50	5.35	0.20	10.49	
		21th Cross Road (W0969)									
0.00	15.00			1	15.00	7.90	6.20	7.05	0.20	21.15	
15.00	20.20			1	5.20	6.05	5.50	5.78	0.20	6.01	
20.20	33.00			1	12.80	5.60	6.00	5.80	0.20	14.85	
33.00	45.00			1	12.00	6.00	6.80	6.40	0.20	15.36	
45.00	60.00			1	15.00	5.60	6.60	6.10	0.20	18.30	
60.00	75.00			1	15.00	6.60	6.70	6.65	0.20	19.95	
75.00	90.00			1	15.00	6.70	6.65	6.68	0.20	20.03	
90.00	105.00			1	15.00	6.65	6.70	6.68	0.20	20.03	
105.00	120.00			1	15.00	6.70	6.70	6.70	0.20	20.10	
120.00	130.00			1	10.00	6.70	6.70	6.70	0.20	13.40	
		Connecting Road-1 (W0608)									
0.00	3.90			1	3.90	7.20	6.95	7.08	0.20	5.52	
3.90	15.00			1	11.10	9.00	8.00	8.50	0.20	18.87	
15.00	23.80			1	8.80	8.00	7.60	7.80	0.20	13.73	
		Dead End (W0965)									
0.00	15.00			1	15.00	5.95	6.40	6.18	0.20	18.53	
15.00	25.40			1	10.40	6.40	6.40	6.40	0.20	13.31	
		Connecting Road-2									
0.00	15.00			1	15.00	5.90	5.90	5.90	0.20	17.70	
15.00	24.00			1	9.00	5.90	5.90	5.90	0.20	10.62	

65839

CIVIL Pro Sig..... Date..... BANGALORE

25.07.2022

Contractor / PMC

Assistant Engineer

Assistant Executive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
		1st A Cross Road (W0975)									
0.00	15.00			1	15.00	7.70	7.90	7.80	0.20	23.40	
15.00	31.30			1	16.30	7.90	8.00	7.95	0.20	25.92	
		18th A Cross Road (W0618)									
0.00	15.00			1	15.00	5.80	5.60	5.70	0.20	17.10	
15.00	30.00			1	15.00	5.60	5.60	5.60	0.20	16.80	
30.00	45.00			1	15.00	5.60	5.50	5.55	0.20	16.65	
45.00	60.00			1	15.00	5.50	4.90	5.20	0.20	15.60	
60.00	74.20			1	14.20	5.60	4.90	5.25	0.20	14.91	7.30.22
								Total Executed Quantity		1301.21	
								Qty Carried to Summary		1301.21	

CIVIL Pro Sig Date BANGALORE

Assistant Engineer 25.07.2022

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to Roads and Drains at Mariyannapalya, Munikempanna Layout, Bhuvaneshwarinagra, Basavanahalli Balance Roads and Surrounding Area in Ward No.06 Byatarayanapura Sub Division

PRE MEASUREMENT SHEET

First and Part Bill

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
Item no.21		Providing and Constructing dry lean cement concrete mix CC1:5:10 Base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum over a prepared sub-base coarse and fine aggregate conforming to IS: 383-2016, aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications and directions of the Engineer in charge.									
Measurements taken on											
		Kaveri Layout									
		Krishna Nivas House (W1309)									
		South to North									
0.00	15.00		Cum	1	15.00	5.30	4.95	5.13	0.15	11.53	
15.00	30.00			1	15.00	4.95	5.20	5.08	0.15	11.42	
30.00	45.00			1	15.00	5.20	5.15	5.18	0.15	11.64	
45.00	60.00			1	15.00	5.15	5.15	5.15	0.15	11.59	
60.00	75.00			1	15.00	5.15	5.20	5.18	0.15	11.64	
75.00	90.00			1	15.00	5.20	3.90	4.55	0.15	10.24	
90.00	91.10			1	1.10	3.90	3.90	3.90	0.15	0.64	
		Joseph House Road (W0884)									
		West to East									
0.00	15.00			1	15.00	4.90	5.15	5.03	0.15	11.31	
15.00	30.00			1	15.00	5.15	4.90	5.03	0.15	11.31	
30.00	45.00			1	15.00	4.90	5.80	5.35	0.15	12.04	
45.00	46.20			1	1.20	5.80	5.85	5.83	0.15	1.05	
		Moto Works Oppo. (W1299)									
		South to North									
0.00	15.00			1	15.00	5.90	5.35	5.63	0.15	12.66	
15.00	30.00			1	15.00	5.35	5.00	5.18	0.15	11.64	
30.00	45.00			1	15.00	5.00	5.20	5.10	0.15	11.48	
45.00	60.00			1	15.00	5.20	5.25	5.23	0.15	11.76	
60.00	75.00			1	15.00	5.25	5.05	5.15	0.15	11.59	
75.00	90.00			1	15.00	5.05	5.45	5.25	0.15	11.81	
90.00	105.00			1	15.00	5.45	5.45	5.45	0.15	12.26	
105.00	120.00			1	15.00	5.45	4.40	4.93	0.15	11.08	
120.00	128.10			1	8.10	4.40	3.95	4.18	0.15	5.07	
		Cross Road 1 (W0870)									
		West to East									
0.00	15.00			1	15.00	4.10	4.65	4.38	0.15	9.84	
15.00	25.60			1	10.60	4.65	4.10	4.38	0.15	6.96	
		Cross Road 2 (W0862)									
		West to East									
0.00	15.00			1	15.00	5.30	5.25	5.28	0.15	11.87	
15.00	30.00			1	15.00	5.25	4.85	5.05	0.15	11.36	
30.00	32.30			1	2.30	4.85	3.50	4.18	0.15	1.44	

24522

CIVIL Pro Sig..... Date..... BANGALORE

Contractor PMC Assistant Engineer 26.07.2022 Assistant Executive Engineer

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remark
		Cross Road (W1297)									
		South to North									
0.00	15.00			1	15.00	5.40	5.10	5.25	0.15	11.81	
15.00	30.00			1	15.00	5.10	4.70	4.90	0.15	11.03	
30.00	45.00			1	15.00	4.70	4.60	4.65	0.15	10.46	
45.00	60.00			1	15.00	4.60	4.50	4.55	0.15	10.24	
60.00	75.00			1	15.00	4.50	4.30	4.40	0.15	9.90	
75.00	90.00			1	15.00	4.30	4.00	4.15	0.15	9.34	
90.00	105.00			1	15.00	4.00	4.00	4.00	0.15	9.00	
								Total Executed Quantity		317.00	
								Qty Carried to Summary		317.00	

CIVIL Pro
Sig
Date
BANGALORE

28.07.2022
Assistant Engineer

Assistant Executive Engineer